

November 1, 2005 Project # 22029.Q

Ms. Judy Cox 21389 Boyle Road Palo Cedro, CA 96703

Subject: Semi-Annual Groundwater Monitoring Report - Fall 2005

Case Closure Recommendation & Summary Documentation C & N Tractors - 496 Salinas Road, Watsonville, California

Dear Ms. Cox,

This report presents a summary of groundwater monitoring activities conducted in the fourth quarter 2005, and a Case Closure recommendation for the former gasoline fuel tank and waste oil tank at C and N Tractors, 496 Salinas Road, Watsonville, California (Location Map, Figure 1).

Three consecutive rounds of groundwater monitoring at the site confirms that the aged gasoline plume in groundwater is stable and is naturally attenuating. At this time we recommend site closure with no further action for the groundwater investigation at this site, following proper destruction of all site monitoring wells.

Additionally, we note that a properly closed waste oil tank with clean soil and water samples and full documentation of closure (from 1989) at the site has never received written regulatory notice that no further action is required. This waste oil UST was properly excavated and removed from the site under permit in 1989. Tested soil and groundwater at this location during our 1997 Phase I/II Site Assessment activities revealed no significant hydrocarbon impacts at the tank site (see Appendix C). To properly document the completion of this waste oil tank closure, we request written notice from Monterey County that no further action is required for this former waste oil tank.

Semi-annual groundwater monitoring near a former gasoline UST has been required by the California Regional Water Quality Control Board (Regional Board) pursuant to a historic release of petroleum hydrocarbons to groundwater at the site. The current round of groundwater testing concludes one year of semi-annual groundwater monitoring requirements. This report includes descriptions of field methodologies, a tabular summary of groundwater elevations and dissolved petroleum hydrocarbon (PHC) concentrations, and figures showing the current PHC concentrations and groundwater elevations.

EXECUTIVE SUMMARY

<u>Former Gasoline UST:</u> The primary purpose of this report is to document the results of sampling and request closure for a groundwater monitoring network installed around an old petroleum

hydrocarbon (PHC) release, which originated from an small underground storage tank (UST) removed from the site in 1987. Semi-annual groundwater monitoring is being conducted in accordance with the Regional Board's letter dated March 18, 2005. Field operations included groundwater testing of the sites' four-well network. The results indicate a small plume fingerprinted as "aged" gasoline has impacted shallow groundwater at the site in the immediate vicinity of the former UST location. Due to the age (the tank was removed 18 years ago) and limited amount of the release, dissolved BTEX and TPH compounds are almost gone.

Laboratory analysis of ground water yielded few contaminant concentrations exceeding the California Regional Water Quality Control Board's (CRWQCB) water quality goals. Specifically, the groundwater samples contained:

- TPH-gasoline was detected in well MW-1, situated immediately downgradient of the former UST, at a concentration of 65 parts per billion (ppb); well below regulatory thresholds. This detection is the lowest ever detected in this well since monitoring began in February 1988. The general water quality goals for TPH- gasoline is set at 1000 ppb.
- MTBE was detected in one of four wells (well MW-4) at concentrations marginally exceeding the water quality goal. Specifically, water collected from MW-4 contained MTBE at a concentrations of 11 ppb, which exceeds the water quality goal of 5 ppb. MTBE was not detected in any other well this quarter. The low-level detection of MTBE is believed to originate from a local surface spill of gasoline in the yard area (since MTBE has never been detected in well MW1, closest to the former tank), and is not considered a significant groundwater plume.

No BTEX contaminant compounds were detected in any of the monitoring wells during the current sampling event.

Three consecutive rounds of groundwater monitoring at the site confirm that the aged gasoline plume in groundwater is small, without volatiles, low to non-detectable in remaining concentrations, and is naturally attenuating. The small size of the plume and lack of volatile compounds (BTEX) and the low-level TPH concentrations are common for small, old releases that have attenuated by decades of biodegradation and/or soil vapor volatilization. On this basis, this case should be considered low risk. No further monitoring is required to protect groundwater quality, human health or the environment.

Former Waste Oil UST: A 550 gallon underground waste oil storage tank was documented to be properly closed at the site in 1989. During our Phase I/II Site Assessment activities conducted at the site in 1997 a single soil boring was advanced just downgradient of this waste oil UST to address any potential environmental issues associated with its use (*Weber, Hayes and Associates*, April 14, 1997). A single soil sample (BH-1) collected at a depth of 10 feet below ground surface at this location yielded no detections of contaminants. A groundwater sample collected at this location contained only a trace detection of motor oil at 80 ppb, well below the non-established water quality

Semi-Annual Groundwater Monitoring Report - Fall 2005 496 Salinas Road, Watsonville November 1, 2005

goals for this contaminant set at 1,000 ppb. We conclude that there is no environmental liability associated with the former waste oil UST. Supporting documentation in this report includes a UST closure application, a Site Map depicting the boring location in relation to the former waste oil UST, and a laboratory Certificate of Analysis from soil and water sampling.

Recommendations: Based on the small size of the plume, the lack of volatile compounds (BTEX), and the low-level TPH concentrations, we recommend site closure with no further action for the groundwater investigation at this site, following proper destruction of all site monitoring wells.

Additionally, we recommend that Monterey County provide a brief written acknowledgment that no further action is required for the former waste oil UST which was properly closed at the site in 1988.

PURPOSE AND SCOPE

This report describes groundwater monitoring activities conducted by Weber, Hayes and Associates during the fourth quarter 2005 at the C & N Tractors facility, 496 Salinas Road, Watsonville, CA (Figure 1). These activities are required by the California Regional Water Quality Control Board, Central Coast Region (Regional Board) pursuant to a release of petroleum hydrocarbons from an underground storage tank system at the site.

This report includes descriptions of groundwater monitoring field methodologies, a tabular summary of groundwater elevations and dissolved hydrocarbon concentrations, and figures showing the current groundwater elevations and flow direction and hydrocarbon concentrations.

Groundwater monitoring activities conducted during this quarter included:

- Measuring depth-to-groundwater and dissolved oxygen concentration in all four wells.
- Collecting groundwater samples from all site monitoring wells, and submitting the samples to a State-certified laboratory for analyses.
- Properly disposing of the groundwater purged prior to sampling the monitoring wells.
- Calculating groundwater elevations and flow direction at the site, compiling water quality data, and preparing this technical report describing the subsurface conditions beneath the site.

SITE DESCRIPTION

The subject site is located at 496 Salinas Road, in the community of Pajaro, north Monterey County, in an area of mixed land use ranging from residential to food processing and agricultural development. Major features of the area include the Southern Pacific railroad yard on Salinas Road opposite the subject property, a rail line adjacent to the subject property, and the Pajaro River to the north west. Areas to the south and west of the site are agricultural fields. Commercial properties and some residential neighborhoods are present to the north.

The site itself is a flat-lying commercial property that contains the offices, warehouses, and storage yards of C&N Tractor, a tractor sales and rental business. The parcel contains three building which include a sales office (northern warehouse), an equipment repair shop (central structure), and a fabrication building (southern warehouse). The remaining portion of the site is asphalt covered and used for parking and the display of tractor and equipment (see Site Map, Figure 2). There are no existing underground fuel storage tanks on the property.

Shallow Soil and Groundwater Conditions

This site is located on the flood plain of the Pajaro Valley, approximately 8,000 feet south and east of the main channel of the Pajaro River, the major surface drainage for the region (see topographic map, Figure 1). Geologic mapping by William Dupre of the USGS (1975) shows the site to be underlain by Quaternary-age Older Flood-Plain Deposits and described as fine-grained deposits of sand, silt and clay with a total thickness of more than 200 feet. A 50-foot thick gravel layer at the base of these deposits is a significant local aquifer, producing up to 500 gpm to agricultural wells in the Pajaro Valley (Muir, 1972).

Weber, Hayes and Associates conducted a Shallow Soil and Groundwater Assessment at the site on June 19, 2003 (*Weber, Hayes and Associates*, October 3, 2003). Drill logs from six, continuously-cored exploratory borings positioned within a 60'x 60' section of the site showed: 1) groundwater was consistently encountered at a depth of 7 feet, and 2) the shallow soils contained relatively continuous stratigraphy which included shallow fill (approximately 2-3 feet); underlain by a shallow clay unit (approx 2-feet thick), which was underlain by a saturated unit of silty-sand (approx. 4-6 feet thick), which was underlain by a clay unit (>2 feet thick). Review of groundwater elevation data from the 8-well monitoring network located across Salinas Road indicates shallow groundwater flow direction is toward the west and can fluctuate up to six feet in elevation between the winter and summer seasons (7.5-to-13.5 feet below ground surface)¹.

Weber, Hayes and Associates' March 27, 2005 well installation activities confirmed our previous investigation of subsurface conditions at the site. Shallow soils underlying the previous terminated boring depths of 12 feet bgs consisted of interbedded clay to clayey-silt units to a total depth of

¹: Monitoring reports for Union Pacific Railroad Yard, 499 Salinas Road, Pajaro, dated 1996-2001.

investigation at 20 feet bgs. Groundwater during this investigation was consistently encountered at a depth of 5 feet bgs.

Previous Environmental Investigations

There are currently no existing underground storage tanks (USTs) on the site. A 550-gallon gasoline storage tank was removed in April 1987 under a permit from Monterey County Health Department (MCHD). Sidewall soil samples obtained following UST-removal and over-excavation of approximately 100 cubic yards of fuel-impacted soils contained moderate levels of gasoline contamination (<330 mg/kg, parts per million). The tank pit was backfilled and a single monitoring well (MW-1) was installed immediately adjacent to the former UST location. A 550-gallon waste oil UST was removed from the site in 1989 under a permit from Monterey County Health Department (MCHD). Subsequent sampling of soil and groundwater at the former waste oil UST location reveled no significant detections of contaminants.

Groundwater was initially sampled from the well in March and December 1988 and contained relatively low gasoline compounds. The 14-foot deep well was gauged to be dry in June and July 1989 and was not sampled again until March 1997, as part of a Phase I/II property assessment². A sample was also obtained in December 1998 at the request of the CRWQCB (directive dated November 25, 1998). All previous groundwater test results are summarized in Table 1, along with current data.

Groundwater has generally been encountered at a depth of 7-8 feet. Lab results indicate that groundwater in this well has contained relatively low concentrations of dissolved gasoline and the constituent gas compounds (benzene, toluene, ethylbenzene and xylenes, BTEX). However, concentrations of dissolved gasoline and the constituent compound benzene slightly exceeded regulatory water quality objectives in water samples prior to 1998 (see Table 1).

Weber, Hayes and Associates observed the installation of three additional groundwater monitoring wells at the site on January 27, 2005 (*Weber, Hayes and Associates*, March 9, 2005). MW-2 was positioned to delineate the up-to-eastern side gradient extent of petroleum hydrocarbon contamination and to confirm that no upgradient plumes are contributing to the known sources of contamination. MW-3 was installed 75 feet west (down gradient to side gradient) of the former gasoline UST. This well will monitor the down gradient-lateral edge of the historic gasoline release. MW-4 was installed approximately 115 feet downgradient from the former gasoline tank. We sawcut through the foundation floor and installed the well at an accessible location near the southern end of the existing warehouse.

²: Weber, Hayes and Associates report: *Phase I & II Environmental Site Assessment, 496-498 Salinas Road, Watsonville,* dated April 14, 1997.

The soil results from the January 27, 2005 monitoring well installation, and groundwater results following the well installation confirmed that the historic release of petroleum hydrocarbons to soil and groundwater is small, limited to very low concentrations in one of four wells, and has naturally attenuated. This conclusion is based on the lack of volatile compounds (BTEX) and the low-level TPH concentrations detected in soil and groundwater which are common for old releases that have attenuated by biodegradation and/or soil vapor volatilization.

SUMMARY OF SEMI-ANNUAL GROUNDWATER MONITORING ACTIVITIES

Groundwater Monitoring

The fourth quarter 2005 groundwater monitoring event took place on October 19, 2005. Fieldwork was conducted according to our standard operating procedures for groundwater monitoring which are described in Appendix A. Field data sheets are also presented in Appendix A. Groundwater samples were collected from monitoring wells MW-1 through 4 at the site and delivered to a State-certified laboratory (Entech Analytical Labs, Inc. CA ELAP# 2346) under proper chain-of-custody documentation. The groundwater samples were analyzed for TPH-g by GC/MS, for BTEX and the fuel oxygenate MTBE by EPA Method 8260B.

Groundwater Elevation Data

Each monitoring well's depth to groundwater was measured and recorded on field notes (Appendix B). Based on the data acquired, the hydraulic gradient at the site is on the order of 0.001 feet per foot in a southwesterly direction (Figure 2). The groundwater flow direction measured during this groundwater monitoring event is consistent with that of the local groundwater flow direction, believed to be in a southwesterly direction. The flow direction measured this quarter is contrary to that of the previous two sampling events. Groundwater flow direction in the previous two groundwater monitoring events flowed in an easterly direction. We note that the groundwater gradient measured at this site is extremely flat (approximately ½ foot per 500 lateral feet), and that the gradient may be subject to reversals. The current groundwater flow direction at the site places "clean well" MW-4 down-to-side gradient of the former UST location.

We note that the top of casing elevation reported by McGregor Land Surveys in our March 9, 2005 report was erroneous. McGregor Land Surveys has recently reported to us that the top of casing elevation for well MW-1 is actually 25.24 feet, NAVD 88, and not 25.47 feet, NAVD 88, a difference of 0.23 feet in elevation.

Groundwater Analytical Results

The groundwater analytical results for the fourth quarter 2005 are summarized in the table below and on Figure 2. Groundwater analytical data collected by Weber, Hayes, and Associates at the site is summarized in Table 1. The laboratory's Certificate of Analysis is presented as Appendix B. All

quality assurance / quality control surrogates recoveries, spikes, and duplicates were within acceptable limits.

Groundwater Sample Analytical Results - October 19, 2005

All results are in parts per billion (: g/L)

Well I.D.	Total Petroleum Hydrocarbons		Vole	atile Organic Con	mpounds	
	Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	MtBE
MW-1	65	ND	ND	ND	ND	ND
MW-2	ND	ND	ND	ND	ND	ND
MW-3	ND	ND	ND	ND	ND	ND
MW-4	ND	ND	ND	ND	ND	11
AL's/MCL's	1000	1	150	300	1750	5

ND: Not Detected

Based on the laboratory analytical results, all of the monitoring well groundwater samples obtained indicate that the groundwater plume appears to be relatively small, stable and naturally attenuating. These findings are based on the following;

- The plume is naturally attenuating based on the lack of volatile compounds (BTEX) and the low-level TPH concentration in well MW-1, which is common for old releases that have attenuated by biodegradation and/or soil vapor volatilization. This detection of TPH-g in well MW-1 is the lowest ever detected in this well since monitoring began in February 1988.
- The low level detections of MtBE in well MW-4 is believed to be a stray detection originated from a minor surface spill, and is not considered significant. There is no pattern of widespread or concentrated MTBE in groundwater at the site. There is no MTBE in wells closer to the former tank site.

FORMER WASTE OIL UST

A 550 gallon underground waste oil tank was properly closed under Monterey County permit at the site in 1989. During our Phase I/II Site Assessment activities conducted at the site in 1997, a soil boring was advanced just downgradient of this waste oil UST to address any potential environmental issues associated with its use (*Weber, Hayes and Associates*, April 14, 1997). A single soil sample (BH-1) collected at a depth of 10 feet below ground surface at this location yielded no detections of contaminants. A groundwater sample collected at this location contained only a trace detection of motor oil at 80 ppb, well below the non-established water quality goal for this contaminant set at 1,000 ppb. We conclude that there is no environmental liability associated with the former

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waste oil UST. Supporting documentation presented in Appendix C includes a UST closure application, a Site Map depicting the boring location in relation to the former waste oil UST, and laboratory Certificate of Analysis.

CONCLUSIONS

Consecutive rounds of groundwater monitoring at the site confirm that the small, aged gasoline plume in groundwater has almost completely attenuated after over 18 years since the tank was removed. The small size of the plume and lack of volatile compounds (BTEX) and the low-level TPH concentrations are common for small, old releases that have attenuated by biodegradation and/or soil vapor volatilization. On this basis, this case should be considered low risk, and no further groundwater monitoring should be required.

RECOMMENDATIONS

At this time we recommend site closure with no further action for the groundwater investigation at this site, following proper destruction of all site monitoring wells.

Additionally, we also recommend that no further action be required for the former waste oil UST which was properly closed at the site in 1988.

A Case Closure Summary Report, using the CRWQCB LUST program format has been completed, and is included with this report as Appendix D.

LIMITATIONS

Our service consists of professional opinions and recommendations made in accordance with generally accepted geologic principles and practices. This warranty is in lieu of all others, either expressed or implied. The analysis and conclusions in this report are based on sampling and testing which are necessarily limited. Additional data from future work may lead to modifications of the options expressed herein.

Thank you for this opportunity to be of service. Should you have any questions or comments regarding this project, please contact us at our office.

No. 1629

Respectfully submitted,

Weber, Hayes and Associates

By: Jered Chaney Staff Geologist

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And: Joseph Hayes

Certified Engineering Geologist #1629

Certified Hydrogeologist #373

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cc:

California Regional Water Quality Control Board, Central Coast Region **Mr. John Goni, Case Officer** 895 Aerovista Place, Suite 101 San Luis Obispo, California 93401-7906 Monterey County Department of Health, Division of Environmental Health Mr. Robert Fernandez, Hazardous Materials Specialist II 1270 Natividad Road Salinas, California 93906-3198

Attachments:

Table 1: Summary of Groundwater Elevation and Analytical Data

Figure 1: Location Map

Figure 2: Groundwater Monitoring Results

Appendix A: Standard Operating Procedure - Monitoring Well Sampling & Field Data

Sheets

Appendix B: Certificates of Analysis and Chain-of-Custody Documentation -

Groundwater Samples

Appendix C: Former Waste Oil UST Closure Application, Site Map, and Certificate

of Analysis (BH-1) - Previously submitted in Weber, Hayes and Associates *Phase I and II Environmental Site Assessment* dated April 14,

1997

Appendix D: Case Closure Summary Report

REFERENCES

California Regional Water Quality Control Board - Central Coast Region Correspondence: UST: C & N Tractors, 496 Salinas Road, Watsonville (Pajaro), Monterey County:

Notice of Responsibility & Request for Investigation, October 4, 2002.

Response to Work Plan, May 22, 2003.

Response to Work Plan, September 27, 2004.

Response to Well Installation and Sampling Report (RWQCB Case 3675), March 18, 2005.

Weber Hayes and Associates Reports for C & N Tractors496-498 Salinas Road, Watsonville, California:

Phase I & II Environmental Site Assessment, April 14, 1997.

Workplan for Soil and Groundwater Characterization, April 11, 2003.

1. Summary Report: Shallow Soil and Groundwater Assessment Report, 2. Workplan: Installation of a Shallow Groundwater Monitoring Network, October 3, 2003.

Monitoring Well Installation, Development, and Sampling Report, March 9, 2005.

Semi-Annual Groundwater Monitoring Report - Spring 2005, May 3, 2005.

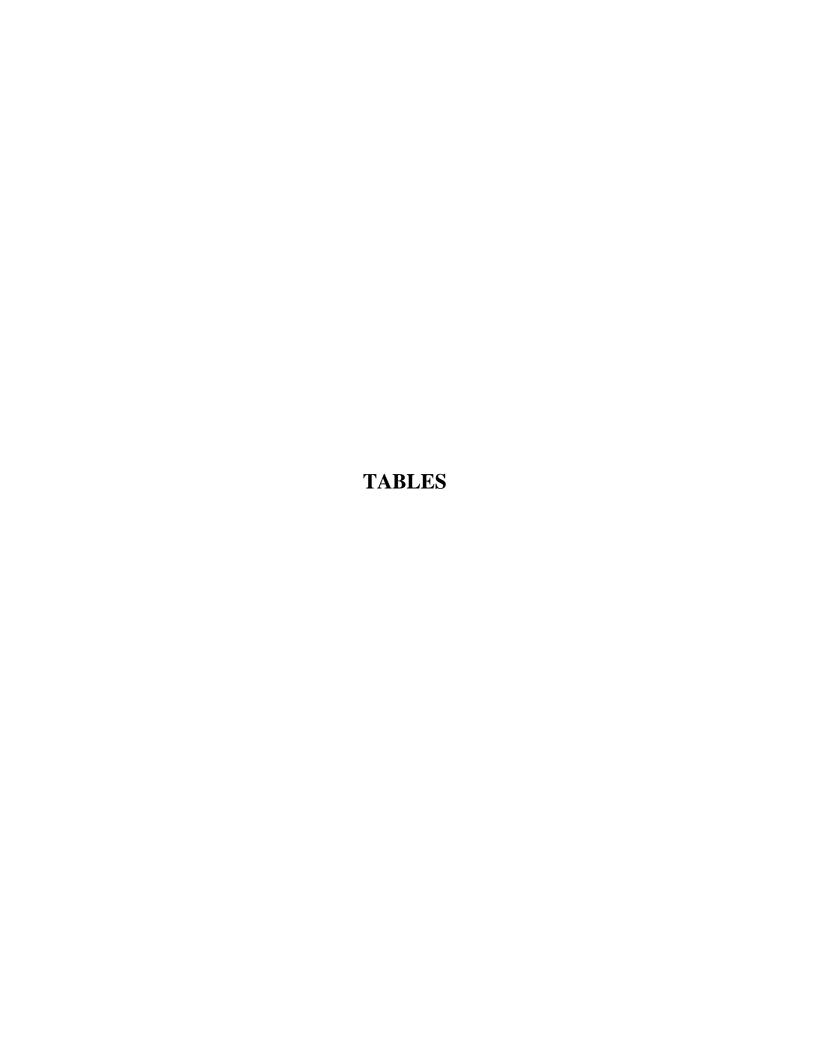


Table 1
Summary of Groundwater Elevation and Analytical Data
C & N Tractors - 496 & 498 Salinas Road, Watsonville, California
Weber, Hayes and Associates

Moni	toring Point Inforn	nation				Pe	etroleum Hy	drocarbon (Concentration Da	ta		Field Me	asurements
Well	тос	Screen	Date	Depth to	Groundwater	Total Petroleum Hydrocarbons		Volati	ile Organic Comp	ounds		Dissolved	Redox
I.D.	Elevation	Interval	Sampled	Groundwater	Elevation	Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Oxygen	Potential (ORP)
	(feet, NGVD)	(feet, bgs)		(feet, TOC)	(feet, NGVD)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(mg/L)	(mV)
MW-1	[∆] 25.24	?? - 14'											
			10/19/05	7.94	17.30	65	ND	ND	ND	ND	ND	0.14	15
			4/12/05	4.27	20.97	**300	ND	0.51	7.5	5.6	ND	0.20	89
			1/27/05	4.36	20.88	**1,000	ND	ND	22	19	ND	0.14	224
			9/19/04	7.20	18.04	ND	ND	ND	ND	ND	ND	5.55	-113
			Dec-98		-	5,000	13	16	100	280	< 2.5		
			Mar-97			7,500	28	< 25	330	1,200	< 250		
			Dec-88			1,100	6.5	28	12	100	1		
			Feb-88			840	31	35	8.7	47	1		
MW-2	25.32	5 - 20											
			10/19/05	8.01	17.31	ND	ND	ND	ND	ND	ND	0.12	105
			4/12/05	4.49	20.83	ND	ND	ND	ND	ND	***7.5	0.13	73
			1/27/05	4.57	20.75	ND	ND	ND	ND	ND	6.3	0.78	35
MW-3	25.39	4 - 19											
			10/19/05	8.19	17.20	ND	ND	ND	ND	ND	ND	0.16	137
			4/12/05	4.20	21.19	ND	ND	ND	ND	ND	ND	0.21	131
			1/27/05	4.21	21.18	**27	ND	ND	ND	ND	1.4	0.48	244
MW-4	26.38	5 - 20											
			10/19/05	9.23	17.15	ND	ND	ND	ND	ND	11	0.12	133
			4/12/05	5.23	21.15	ND	ND	ND	ND	ND	***7.6	0.14	124
			1/27/05	5.28	21.10	ND	ND	ND	ND	ND	8.2	0.18	292
		Practical Qua	antitation Limit:			25 / *50	0.5	0.5	0.5	0.5	1		
	Action Levels	(ALs) / Maximu	ımContaminanı	t Levels (MCLs) ¹	_	1000	1	150	300	1750	5		

NOTES:

TOC: Top of Casing elevation surveyed by a Licensed Surveyor to National Geodetic Vertical Datum of 1988 (NGVD).

bgs: below ground surface.

uglL: micrograms per liter - parts per billion.

ND: Not Detected at or above the laboratory's practical quantitation limit (PQL).

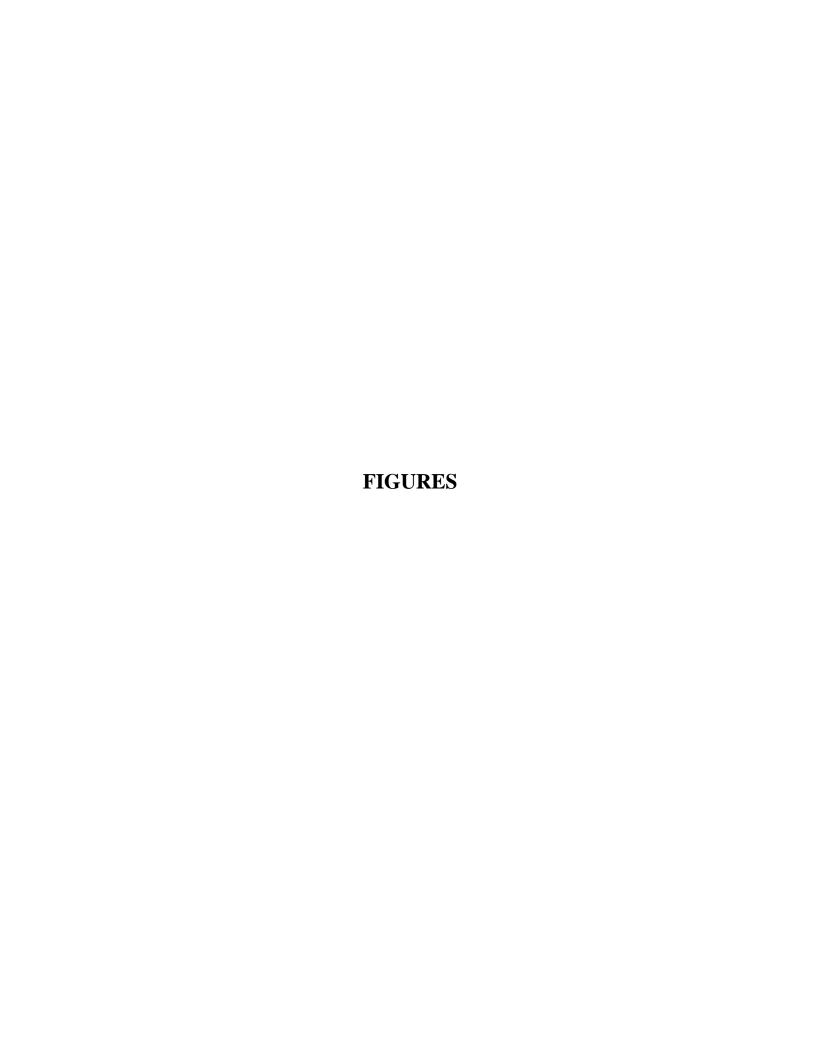
BOLD PRINT: Bold Print indicates concentrations are above regulatory Action Levels or MCL's.

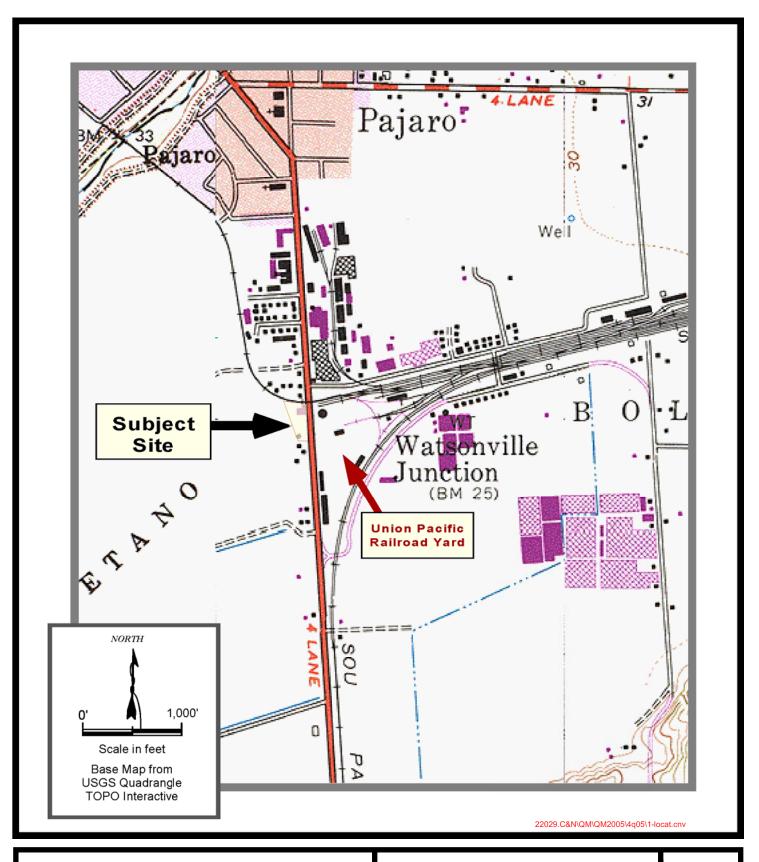
- *: Laboratory indicates analytical results within quantitation range, but the chromatographic pattern was not the specified fuel.
- 1: Levels presented are based on either the established Maximum Contaminant Levels (MCLs) which are the California Code of Regulations (Title 22) or water quality goals for the Central Coast Region of the CRWQCB.
- •: Due to the low level detections of contaminants during the January 27, 2005 sampling event, samples collected on April 14, 2005 were analyzed by EPA Methods 8015M & 8020, and as a result the detection limit for TPH-g is elevated to 50 ppb.

TPH-g: Total Petroleum Hydrocarbons as gasoline

MTBE: Methyl Tert Butyl Ether.

- < X: Not Detected at the elevated PQL, X, PQL elevated due to sample dilution.
- --: Data missing, not available, or not collected.
- **: Laboratory indicates result is possibly aged gasoline.
- ***: Confirmed by EPA Method 8260
- Δ: McGregor Landsurveys noted an initial reporting error in the top of casing elevation reported for well MW-1. The top of casing elevation for well MW-1 was initially reported to be 25.47 feet, NAVD; the corrected elevation is 25.24 feet, NAVD.





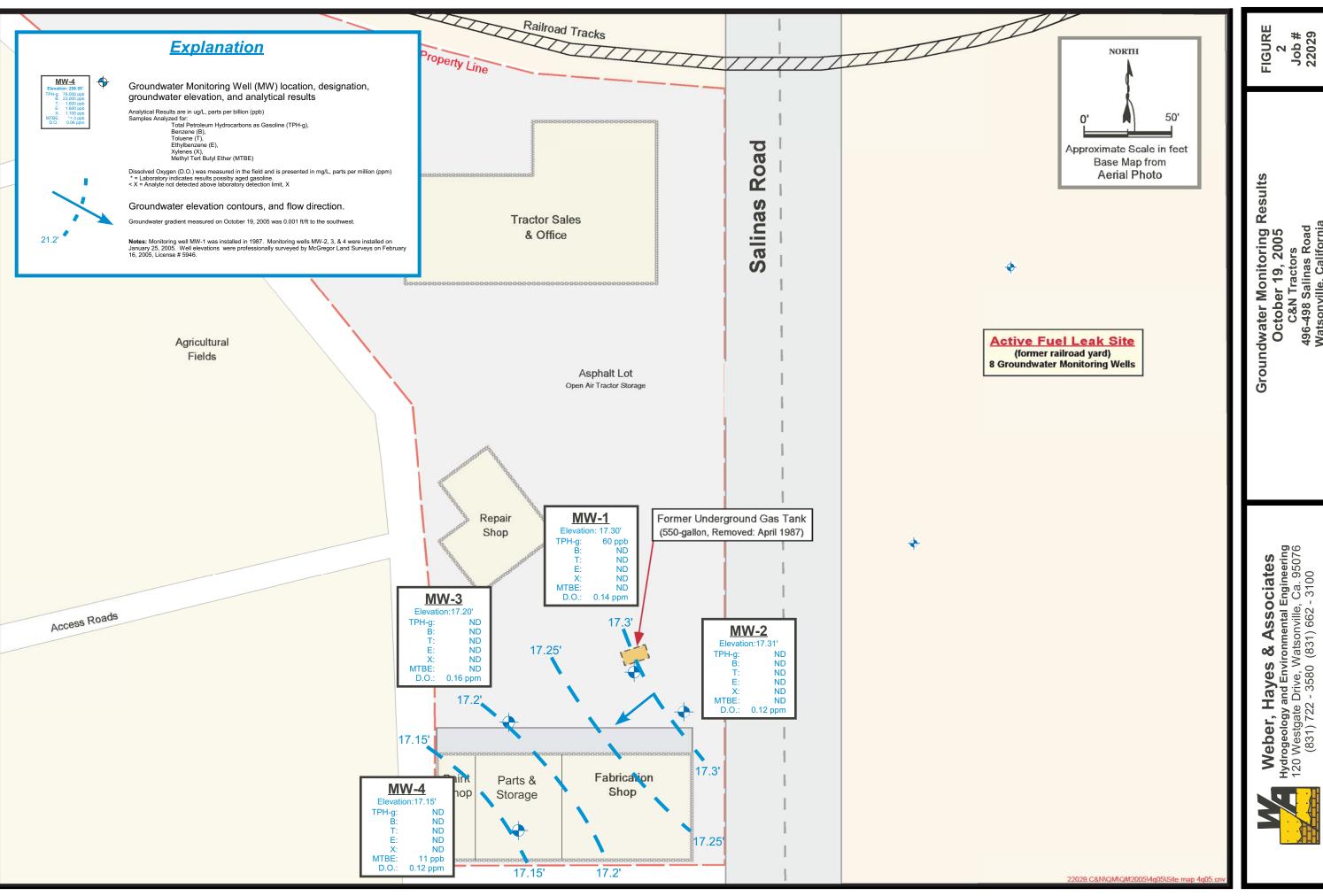


Weber, Hayes & Associates

Hydrogeology and Environmental Engineering 120 Westgate Drive, Watsonville, Ca. 95076 (831) 722 - 3580 (831) 662 - 3100

Location Map C&N Tractors

496-498 Salinas Road Watsonville, California FIGURE 1 Job # 22029



Groundwater Monitoring Results October 19, 2005 C&N Tractors 496-498 Salinas Road Watsonville, California

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APPENDIX A

Standard Operating Procedure - Monitoring Well Sampling & Field Data Sheets

Appendix A Standard Operating Procedure - Monitoring Well Sampling

Weber, Hayes and Associates' groundwater monitoring field methodology is based on procedures specified in the *LUFT Field Manual*. The first step in groundwater well sampling is for Weber, Hayes and Associates field personnel to measure the depth-to-groundwater to the nearest hundredth (0.01) of a foot with an electric sounder. If the well appears to be pressurized, or the groundwater level is fluctuating, measurements are made until the groundwater level stabilizes, and a final depth-to groundwater measurement is taken and recorded. After the depth-to-groundwater is measured, the well is then checked for the presence of free product with a clear, disposable polyethylene bailer. If free product is present, the thickness of the layer is recorded, and the product is bailed to a sheen. All field data (depth-to-groundwater, well purge volume, physical parameters, and sampling method) are recorded on field data sheets (see attached). Because removing free product may skew the data, wells that contain free product are not used in groundwater elevation and gradient calculations.

After measuring the depth-to-groundwater, each well, starting with the cleanest well (based on analytical results from the last sampling event), is purged with a low flow submersible electric pump. During purging the physical parameters of temperature, conductivity, pH, dissolved oxygen (D.O.) concentration, and Oxidation-Reduction Potential (ORP) of the purge water are monitored with a QED MP20 Micropurge Flow Through Cell equipped meter to insure that these parameters have stabilized (are within ~ 15 percent of the previous measurement). The QED MP20 meter is capable of continuously monitoring the physical parameters of the purge water via the flow through cell and providing an alarm to indicate when the physical parameters have stabilized to the users specifications. Purging is determined to be complete (stabilized aquifer conditions reached) after the removal of approximately three to five well volumes of water or when the physical parameters have stabilized. Dissolved oxygen and ORP measurements are used as an indicator of intrinsic bioremediation within the contaminant plume. All field instruments are calibrated before use.

All purge water is stored on site in DOT-approved, 55-gallon drums for disposal by a state-licensed contractor pending laboratory analysis for fuel hydrocarbons.

After purging, the water level in the well is allowed to recover to 80 percent of its original depth before a sample is collected. After water level recovery, a groundwater sample is collected from each well with a new, disposable bailer, and decanted into the appropriate laboratory-supplied sample container(s). The sample containers at this site were 40-ml. vials. Each vial was filled until a convex meniscus formed above the vial rim, then sealed with a Teflon®-septum cap, and inverted to insure that there were no air bubbles or head space in the vial. All samples are labeled in the field and transported in insulated containers cooled with blue ice to state-certified laboratories under proper chain of custody procedures.

All field and sampling equipment is decontaminated before, between, and after measurements or sampling by washing in a Liqui-Nox and tap water solution, rinsing with tap water, and rinsing with distilled water.



Weber, Hayes & Associates

Hydrographogy and Environmental Engineering. 120 Westpala Cr. Westpara Cr. 2004 2011 722-3680 (3811-962-310X February 722-1196

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Sila Map Data Shaara Centrope Logo Photo Sreets 500%

Client: C & N Tractors	Date: October 19, 2005
Site Location: 496 Salinas Road, Watsonville, CA S	Study #: 22829.Q
Field Teaks: Driffing Sampling Other (see below).	Weather Conditions:
4 th Quarter 2005 Groundwater Monitoring	Parking High Flog. Com
Parsonnel / Company On-Site. Jered Chaney (Weber, Hayes and Associates: WHA)	
FIELD WORX PLANNING: Meet with Project Manager: Number of Wells to be Sampled: Sample Wells: Analyze for: Proposed Sampling Date: Performed on: October 18, 2005 October 18, 2005	
ON-SITE FIELD WORK; Arrive on-site at6건들는to conduct (선*Quarter <u>2.66</u> Cuarterly Groundwater Monitoring Well Sampling.	
LABORATORY: Send all analytical to: Entech Analytical Laboratory, 406.588.0200 - 3334 Victor Court, Santa Clara, CA	
GROUNDWATER MONITORING FIELD WORK STANDARD OPERATING PROCEDURES:	
Initial TC - All sampling is conducted according to Standard Operating Procedure (SOP) 100	
• All pertinant information regarding the well, including water quarty physical parameters are recorded on the following:	pages.
- All samples are placed in a refingerated cooler immediatery after sampling.	
 All groundwater monitoring/purging/sampling equipment is decontaminated according to SOP 10B/at the beginning of in between each well, and at the end of work. 	on-site work,
 All purge water is propoerly containerized in 55-gallon drums, or another so table container, for later removal by a lice 	risad subcontractor
 All samples are recorded on field Chain-of-Custody sheets for documentation of proper transportation to the appropria 	
INSTRUMENT CALIBRATION:	
QECI MP20 Flow Through Cels: Temperature = 15 was pit = 7.00 2 who Electrical Conductivity = 3/8 45/2	Barometric Pressure = 360
D.O. % Saturation = المراج (Oxidation Reduction Potential (ORP) = والمراج (ORP) على المراج (Oxidation Reduction Potential (ORP) المراج (Oxidation Reduction Potential (OXP) (Oxidation Reduction Potential (OXP)	
BEGIN SAMPLING WELLS: - 서타당 MIG-는 HC-무기 NG-I	

COMMENTS:

All wells will be purged until the QED MP20 until no cases that the physical parameters of the water (pH. Conductivity, Temp, D.O., and QRP) have stabilized to within ~ 15%, or once four casing volumes in the well column requiring have been removed (see Groundwater Mondoring Well Sampling Field Data Sheet(s) for cetails). Wells will be purged form the bottom up and all WHA SOPs. Wells will only be sampling using a Bladder Pump or a disposable baller, as per RWQC8 guidlines

Signature of Field Personnel & Date



Location	Groundwater Depth	Total Depth of Well	0.0. (mg/L)	ORP (mV)	Floating Product (comments)
MW-1	}. 14 '	14.	0.14	_15_	NoFF; Stight Odor
MUZ	\$.o(6-12	<u> 142</u>	HOFP M. Odor
MU-3	8-14.	15.	0.V.	137	No Fp. N. Oder
дь.Ч	9.23		31.0	132	NoFP; No Odor
$\overline{\sum}$			_ _		
$\overline{}$					
				<u> </u>	
	20			<u> </u>	
	20/19/05				
					
		-			
 .					
	RGE DRUMS WERE LEFT ON- VATER REMOVAL SUBCONTR			VOLUME (gallons	20
DRUMS WILL B	E PURGED ON:		٠ ١٠٩٥٢ .		

COMMENTS:

Project Na		<u> </u>	C & N Trac	tors / 220	29.Q		Date:	October	19, 2005	
Sample N				MW.3			Sample Lo		M43.3	
Samplers	-		Jerec	d Chaney			Recorded			
Purge Equ	-	enenable es Ass	* -1 *				Sample Eq			
	_baller: Ul Whaler #	sposable or Act	гунс				×	Disposable Whaler#	Bailer	
	Bladder P							whaler # _ Bladder Pt	ımo	
		Deep Well Pur	1p					Submersib		
		d (cricle all tha					Num	ber and Typ		tle Used
TPH-gas, BT	EX, MIBE TE	A. 1.2-DCA. 208,	8260 Fuel Oxyg	enates, Molly	anol, Ethanol	<u> </u>	3 x	40 mL VOA	's	
Intrineic Bio:		. TPH Heating Oil	•							
Well Numi		146.8					Vell Diamete	r: <u>2"</u> with (`aaina V	
Depth to \		8.19'	TOC			•	Ten Diamet		(0.16 Ga	
Well Dept		17'	BGS or TOC						(0.65 Ga	
Height W-		10.81,	feet (well dep		to water)				(1.02 Ga	
Volume in		1.72	gallons (casi	-	•				(1.47 Ga	
Gallons to	Duras:	6.9	galions (volu	_	A maighty					llon/Feet
Lab:	Entech A		J (1 4) W			Transpoo	fation:	Courier	(2.01 Ga	noru r cot,
		·				-ti dilapoi	TOTAL .	0007101		
Time	Volume	Temperature	Conductivity	D.O.	-	ORP				Micropurge
(24 hr.)	Purged	(°C)	(ms/cm)	(ppm)	ρН	(mV)	Turbio	dity: Color, Fi	nes	Perematers Stabilized
, ,	(Gallons)	, , ,		(printer)		,	 			SINDIIZEU
* \$ 53	•	16.43	a.\$54	7.44	7.04	146	Histor	Brown, Ma	7	
4280	1	19.34	5.9 11	e:51	ችዲና	143		: Breen M		
0872	2	18.85	م.٩८	6.25	₹-36	141	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
0 4 32	3	(₹.€2	6.964	0.43	7.50	140	↓	1	1	
0 836	4	18.74	0462	0.20	₹·34	.146	Low Ch	erstroun No	<u>سال ب</u>	
4480	5	14.15	0.9 4 3	0.17-	4-34	134				
083 4	6	کچ.≽۰	6 .963	6.16	7.33	188				<u> </u>
6839	<u> </u>	18.75	م،جودي	6.14	7.31	157	1	<u>ا</u>	<u> </u>	
Stop	Porge	Complete				l				
•	1	. W	ait for 80% w							
	• • • • •	Calculati	e depth to wai				iume recove	ry:		
	Oricina	al Height of Water (curate 60% o			u LB" = Dant	h to umber 100	3.0"	
	- - -			* * * * * *		, ,	<u>,</u> - Бер	TILL VIELES		
Time: 6840	1st measurer	d depth to water, _	8.53 faat	below TOC.		ie wolf within	80% of original	well casing volu	Va.	∠ Na
Time: _\	1sl measured	d depth to water, _	leet	below TOC.				well casing volu well casing volu		
Time:	1st measured	d depth to water, _ d depth to water, _	Feet	below TOC.		ls well within	80% of onginal	well casing volu	me: Yes 🗋	the No
				_						
		<u> </u>		San	iple Well					
Time:	0 140		Sample ID:		141.3		Depth	i: 8-24°	faat he	elow TOC
				"	3		_ 500	<u>∀-₽₹</u>	.000	
Comments	: No F	looking Produ	4; N. (obc						
		1							<u>.</u>	
					-					

Project Na	me/No.;		C & N Trac	tors / 220.	29.Q		Date:	October 19, 2005	
Sample No	D.:			MUZ			Sample Lo	cation: გა. z.	
Samplers	Name:		Jerec	Chaney			Recorded		
Purge Equ	ipment:						Sample Eq	ulpment:	
		sposable or Ac	ylic				<u>, , , , , , , , , , , , , , , , , , , </u>	Disposable Baller	
×	Whaler#							Whaler #	
	Bladder P	,						_ Bladder Pump	
		Deep Well Pum						Submersible Pump	
		l (cricle all tha A. 1,2 00A, 506,		anatao Matta	Tel Cite			ber and Types of Bo 40 mL VOA's	ttie Used:
TPH-dissol, T	PH Motor Oil	TPH-Heating Oil		alatea, Matri	20 PG1, 12 (FROME)	· · · · · · · · · · · · · · · · · · ·	3 X	TO HIL YOA'S	· · ·
Intrinsia Bio. F									
Well Numb	oer:	MUL				W	/eli Diamete	r: 2" with Casing V	olume of:
Depth to V	Vater:	8.01	тос					2" = (0.16 G	
Well Depth	1:	Z6'	BGS or TOC					4" = (0.65 Ga	
Height W-(Column:	ዘ, ዲ ኒ	feet (well dep	th - depth	to water)			5" = (1,02 Ga	allon/Feet)
Volume in	Weil:	1.40_	gallons (casii	ng volume	X height)			6" = (1.47 Ga	allon/Feet)
Gallons to	purge:	_ ዲፋ	gallons (volu	me X 4)				8" = (2.61 Ga	allon/Feet)
Lab:	Entech A	nalytical	•			Transpor	tation:	Courier	·
Time	Volume -	Temperature	Conductivity	D.O.		ORP			Айсторитра
(24 hr.)	Purged	(°C)	(ms/cm)	(ppm)	pН	(mV)	Turbio	dity: Color, Fines	Paramaters Stabilized
\vdash	(Gallons)		<u> </u>	111 /		,,	 		CHAPTILES
\$ 405	. 6	<i>ነት</i> ሬ፣	1.0 % 2	4 .24	6.92	150	H:14: 13.	our Many Fine	
৩৭১८		,4.5 <u>c</u>	1.243	0.43	3,04	140	I .	er Miner Gines	ļ
6 464.	2	466	1.24}	0.78	304	132	<u> </u>		
9907	3	14.38	1.255	6.20	1.44	126			ļ
0508	4	19.54	t-24 <u>1</u>	9-13-	7-15	12.}			
6949	6	19.42	1-241	41.0	\$-Z6	10			<u> </u>
0401	*	12.44	क्ष्यम्	643	3-18	(64			
096	ક	19.42	1.2-44	4.12	3 -17	145		1 1	
Step:	Purge !	ر سه ۱۹۶۰ د اور							
•	,		ait for 80% w e depth to wat						
		Galculat					Idille lecove	ıy.	
	Origina	Height of Water (culate 80% or	•		1 2at = 0aat	h to water 10.46	
	-		- 117 <u>- 117 -</u>	× 0,0 ···		- feed popul	<u>, ру</u> - оар	I to water Total	
T 690	4-4	d almostic to		h-l- 700					/
		depih to water, _ depih to water		below TQC. below TQC.				well casing volume: Yes _ well casing volume: Yes _	
Time:	1st measured	d depth to water, _ d depth to water, _	feet	below TOC.		is well within	80% of original	well casing volume: Yes_	/2¢ Nº
•			~ —				v	_	- -
				Sam	nple Well				
					•				
Time:	694		Sample ID:		KU4		Depth	i q. <u>s.</u> r feet b	elow TOC
Comments:	N. Y	locking produ	~ t ; 	MOO!					
			•						

Project Na	rne/No.:		C & N Trec	tors / 220.	29.Q		Date:	Octo	ober 19, 2005	
Sample No	D.:			\ <u>\</u>			Sample i	ocation:		\- \\
Samplers	Name:		Jereo	Chaney	·		Recorde		JC	
Purge Equ								quipmer	ıt:	
	*	sposable or Acr	rylic				¥		sable Baller	
	Whaler#		•						er#	
	Bladder Pi								ler Pump	
		Deep Well Pum							versible Pump	
		i (cricle all tha							Types of Bo	ttle Used:
(TPH-gas, BT	EX, MIBE, TB	A, 1,2-DCA, EUB,	8280 Fuel Oxyge	enates. Metro	not, Etha nol	l	3	x 40 mL	VOA's	
		, TPH Heating Oil								
Intrinsio Big. (Ma								
Well Numi		۳۵۰۹				γ	Veli Diame		vith Casing V	
Depth to Y	Vater:	9.25	TOC					(2" = (0.16 Ga	llon/Feet)
Well Depti	h:	to.	BGS or TOC						4'' = (0.65 Ga)	llon/Feet)
Height W-	Column:	10.75,	feet (well dep	ith - depth	to water)				5" = (1.02 Ga	llon/Feet)
Volume in	Well:	(.3t)	gallons (casir	_	•				6" = (1.47 Ga	,
Gallons to	DITLUD.	G.88	gallons (volu	•	,				8" = (2.61 Ga	,
			gallona (+oldi	110 / 4/		-	A.41	_	•	monreet)
Lab:	Entech A	naryucar				Transpor	tation:	Cour	ier	
	Volume		 		I	Т	Т			
Time	Purged	'	Conductivity	D.O.	рH	ORP	Tue	bidity: Col	Inr Finee	Mucropurge Parameters
(24 hr.)	(Gallons)	(°C)	(ms/cm)	(ppm)	μ,,	(mV)	'''	oldity. Col	IOI, ITIIAS	Stablized
	<u> </u>					+	 		_	\vdash
0134	6	13.46	৹∙ দু≱ব্	8.12	7-13	128	14:50	Brown	Marytins	
6426	ι	1434	l. <u>o⊊.</u> 4	6 -\$7	Z-14	132				
<u> </u>	٤	16-39	1.02	5.22 -	4-13	154	<u> </u>			
≎ጎዀ	3	11-37	lo 5 2	0·1 = (5-12	135	<i>V</i>		<u></u>	
073+	ч	(4.34	1-063	6-13-	₹.(८	121	Noderat	L. Brance	Madifinas	
ቀ ጚኝ\$	6	: 4.35	1.044	0.14	7.24	132				
০ 15६	7-	1654	6046	0-12	2.24	63	7	T	1	:
Step:	Purge (ه ۱۰۰۰ و تعاول					1		•	
125.4	مرا _ح	,								
1 100/	כהונה	w	ait for 80% w	ell volum	e recover	u nelar ta e	amolina			ţ
			e depth to wat					/erv:		
								· •. j.		
	Origina	l Height of Water (culate 80% o \S: - x 0.8 ≃			26' = D	enth to wate	r NHe'	
	g	a				_ (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		opar la riala	·	
	4.5									
		d depth to water, _ d depth to water, _		below TOC. below TOC.					ng volume: Yes _	
Time:	1st measurer	d depth to water, _	feet	below TOC.		is well within	80% of origin	rai well casii	ng volume: Yes ng volume: Yes	No No
							•		•	
				San	npie Weli					
Time:	6940		Sample ID:	برار	<u> </u>		Der	oth: (e.:	ተշ feet b	elow TOC
		•	'							
Comments	: No	Flooding Pro	old the	O991						
			- 1							
		<u> </u>								

Project N	ame/No.:		C & N Trac	ctors / 220)29.Q		Date:	October 19, 200	5
Sample N	lo.:			اروبا			Sample Loc		
Samplers	Name:		Jere	d Chaney	·		Recorded b		
Purge Eq							Sample Equ		
	_Bailer: Di	isposable or Ac	rylic				×	Disposable Baller	
<u>, * </u>	Whater #	 _						Whaler #	
	Bladder P	ump Deep Well Pun						Bladder Pump	
Analyses	Requester	d (cricle all tha	ip # annivi:				NI-T-L	Submersible Pump)
(PH-gas, B)	EX, MIRE) TO	A, 1,2 DCA, EDB.	- 2260 Fuel Owe	emates, Medi	апо. Ейтало	+	Nump	er and Types of Bi	ottie Used:
T PH-dissel,	TPHAMOUN O	ii, TPH-Heating Oil						W III FOR 3	-
	Peramoters	··						·	
Well Num	ber:	1944				٧	Veil Diameter	: <u>z"</u> with Casing \	/olume of:
Depth to !	Water:	1.44*	TOC					(2" ₹ (0.16 €	
Well Dept	h:	14.	BGS or TOC					4" = (0.65 G	
Height W-	Column:	6.66	feet (well dep	oth - depth	to water)			5" = (1.02 G	-
Volume in	Well:	0.36	gallons (cash					6* = (1.47 G	
Gallons to	purge:	3.8	gallons (volu	_	• • • • • • • • • • • • • • • • • • • •			8" ≈ (2.61 G	
Lab:	Entech A			.,		Transpor	tetion:	Courier	sauci it_eer)
				•		110111	tauon.	Couner	
Time	Volume	Temperature	Conductivity	D.O.		OPO			
(24 hr.)	Purged	1000	(ma/cm)	(ppm)	рH	ORP (mV)	Turbidi	ty: Color, Fines	Micropurge Peremisters
· · · · ·	(Gallons)		(-11-01-01-1-)	(PP)		(1114)	<u> </u>	·	Stabilized
1082	6	(9,4)	1/2/10	८ दर	6-42	103	Brank B	lack Majons	<u> </u>
1045	-	174.76	(-5(3	0.31	6.98	61	Lawy Cil	wer Money Dans	
1444	2	15/61	P 4.5	. 423	6.99	33			
1005		.5.55	1-328	0.14	7.01	24			
1005	4	19.48	6-637	0.15	7.08	18			
1006	5	(4.84	1.232	6 .14	₹.♦६	15	↓	7 1	
Star	Purge	Consute.							
12	l 1	•			·-				 -
1 4/14	5 "					 			+
		<u> </u>	alá 4a a 460/	·*!!		<u></u>	<u> </u>	··	
		Calculate	alt for 80% w depth to wat	er (from T	Precevery (OC) for 8	/ рлос to в 0% жей ха	ampling.		
							une recovery	<u> </u>	
	Origina	l Height of Water C	Column = _ -6 , C C	x 0.8 ≠	f orginal well 9.29	volume: • (Well Depth)	'44' = Depth	Inwaler 9JC'	
Time: ₩43	1st measured	depth to water.	€.Ue' feet	below TOC.		ls wall within:	90% of odologi w	ell casing volume: Yes	/ N=
Time: 🔨 🔻	1st measured	depth to water,		below TOC.				ell casing volume: Yes j	
Time:	1st measured	depth to water, _	feel	below TQC.		is well within I	80% of original w	eli casing volume: Yes	No
			•						
		<u> </u>		Sarr	ple Well	_			
Time:	(34 7		Sample ID:	,	۱ .دیا۳		Depth:	e foot h	olow TOO
•				<u>.</u>			. Dopui.	File feet b	elow TOC
Comments:	N. Fl	entire produc	1: He 00	ما					
			(2E)7L					···	
-				•			_		

Semi-Annual Groundwater Monitoring Report - Fall 2005 496 Salinas Road, Watsonville November 1, 2005

APPENDIX B

Certificates of Analysis and Chain-of-Custody Documentation -Groundwater Samples

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Jered Chaney

Weber, Hayes and Associates

120 Westgate Drive

Certificate Number: 45854

Issued: 10/24/2005

Watsonville, CA 95076

Order / Lab Number: 45854

Project Number: 22029.Q Project Name: C&N Tractors

Global ID: T0605300360

Comments

Certificate of Analysis - Final Report

On October 19, 2005, samples were received under chain of custody for analysis. Entech analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u> Liquid <u>Test</u>

EDF

EPA 8260B EPA 624 TPH as Gasoline - GC-MS

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346). If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,

Erin Cunniffe

Laboratory Operations Manager

3334 Victor Court, Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Weber, Hayes and Associates 120 Westgate Drive

Watsonville, CA 95076 Attn: Jered Chaney Date Received: 10/19/2005 2:13:47 PM

Project Number: 22029.Q Project Name: C&N Tractors GlobalID: T0605300360

Certificate of Analysis - Data Report

Lab #: 45854-001	Sample ID: MW-1	l			ľ	Matrix: Liqi	uid Sample I	Date: 10/19/2003	5 10:07 AM
EPA 5030C EPA 8260B Parameter)ual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	8 Analysis Date	260Petroleum QC Batch
Benzene	ND	2	1.0	0.50	μg/L	N/A	N/A	10/20/2005	WM2051020
Foluene	ND		1.0	0.50	μg/L	N/A	N/A	10/20/2005	WM2051020
Ethyl Benzene	ND		1.0	0.50	μg/L	N/A	N/A	10/20/2005	WM2051020
Kylenes, Total	ND		1.0	0.50	μg/L	N/A	N/A	10/20/2005	WM2051020
Methyl-t-butyl Ether	ND		1.0	1.0	μg/L	N/A	N/A	10/20/2005	WM2051020
Surrogate	Surrogate Recovery			Limits (%)				Analyzed by: TAF	
4-Bromofluorobenzene	90.6		70 -					Reviewed by: MaiC	hiTu
Dibromofluoromethane	90.9		70 -						
Toluene-d8	98.5		70 -						
EPA 5030C GC-MS					** **	D D . 4 .	Duran Datah		oline - GC-MS QC Batch
Parameter		Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	WM2051020
ГРН as Gasoline	65		1.0	25	μg/L	N/A	N/A	10/20/2005	W IVI2031020
Surrogate	Surrogate Recovery		Control 1	Limits (%)				Analyzed by: TAF	
4-Bromofluorobenzene	99.3		70 -	· 130				Reviewed by: MaiC	ChiTu
Dibromofluoromethane	101		70 -	- 130					
Toluene-d8	102		70						
Toluene-d8	102	2				Matrix: Liq	uid Sample l	Date: 10/19/200	5 9:11 AM
Toluene-d8 Lab #: 45854-002	Sample ID: MW-2	2]	Matrix: Liq	uid Sample l		5 9:11 AM 8260Petroleum
Toluene-d8 Lab #: 45854-002 EPA 5030C EPA 8260B	Sample ID: MW-2	2 Qual			Units	Matrix: Liq	uid Sample l		
Toluene-d8 Lab #: 45854-002 EPA 5030C EPA 8260B Parameter	Sample ID: MW-2		70	- 130					8260Petroleum QC Batch
Toluene-d8 Lab #: 45854-002 EPA 5030C EPA 8260B Parameter Benzene	Sample ID: MW-2 EPA 624 Result		70 D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	8260Petroleum QC Batch WM2051020
Toluene-d8 Lab #: 45854-002 EPA 5030C EPA 8260B Parameter Benzene Toluene	Sample ID: MW-2 EPA 624 Result O		70 D/P-F 1.0	Detection Limit 0.50	Units μg/L	Prep Date	Prep Batch N/A	Analysis Date	3260Petroleum
Toluene-d8 Lab #: 45854-002 EPA 5030C EPA 8260B Parameter Benzene Toluene Ethyl Benzene	Sample ID: MW-2 EPA 624 Result O ND ND		D/P-F 1.0 1.0	Detection Limit 0.50 0.50	Units μg/L μg/L	Prep Date N/A N/A	Prep Batch N/A N/A	Analysis Date 10/20/2005 10/20/2005	QC Batch WM2051020 WM2051020
Toluene-d8 Lab #: 45854-002 EPA 5030C EPA 8260B Parameter Benzene Toluene Ethyl Benzene Xylenes, Total	Sample ID: MW-2 EPA 624 Result O ND ND ND		70 D/P-F 1.0 1.0	Detection Limit 0.50 0.50 0.50	Units µg/L µg/L µg/L	Prep Date N/A N/A N/A	Prep Batch N/A N/A N/A	Analysis Date 10/20/2005 10/20/2005 10/20/2005	QC Batch WM2051020 WM2051020 WM2051020
Toluene-d8 Lab #: 45854-002 EPA 5030C EPA 8260B Parameter Benzene Toluene Ethyl Benzene Xylenes, Total	Sample ID: MW-2 EPA 624 Result O ND ND ND ND ND ND		D/P-F 1.0 1.0 1.0 1.0 1.0	Detection Limit 0.50 0.50 0.50 0.50 0.50	Units µg/L µg/L µg/L µg/L	Prep Date N/A N/A N/A N/A N/A	Prep Batch N/A N/A N/A N/A	Analysis Date 10/20/2005 10/20/2005 10/20/2005 10/20/2005	QC Batch WM2051020 WM2051020 WM2051020 WM2051020
Toluene-d8 Lab #: 45854-002 EPA 5030C EPA 8260B Parameter Benzene Toluene Ethyl Benzene Xylenes, Total Methyl-t-butyl Ether	Sample ID: MW-2 EPA 624 Result O ND ND ND ND ND ND ND ND ND		D/P-F 1.0 1.0 1.0 1.0 1.0 Control	Detection Limit 0.50 0.50 0.50 0.50 1.0	Units µg/L µg/L µg/L µg/L	Prep Date N/A N/A N/A N/A N/A	Prep Batch N/A N/A N/A N/A	Analysis Date 10/20/2005 10/20/2005 10/20/2005 10/20/2005 10/20/2005	WM2051020 WM2051020 WM2051020 WM2051020 WM2051020 WM2051020
Toluene-d8 Lab #: 45854-002 EPA 5030C EPA 8260B Parameter Benzene Toluene Ethyl Benzene Xylenes, Total Methyl-t-butyl Ether Surrogate	Sample ID: MW-2 EPA 624 Result O ND ND ND ND ND ND ND Surrogate Recovery		D/P-F 1.0 1.0 1.0 1.0 1.0 Control	Detection Limit 0.50 0.50 0.50 0.50 1.0 Limits (%)	Units µg/L µg/L µg/L µg/L	Prep Date N/A N/A N/A N/A N/A	Prep Batch N/A N/A N/A N/A	Analysis Date 10/20/2005 10/20/2005 10/20/2005 10/20/2005 10/20/2005 Analyzed by: TAF	WM2051020 WM2051020 WM2051020 WM2051020 WM2051020 WM2051020
Toluene-d8 Lab #: 45854-002 EPA 5030C EPA 8260B Parameter Benzene Toluene Ethyl Benzene Xylenes, Total Methyl-t-butyl Ether Surrogate 4-Bromofluorobenzene	Sample ID: MW-2 EPA 624 Result O ND ND ND ND ND ND ND Surrogate Recovery 92.0		70 D/P-F 1.0 1.0 1.0 1.0 1.0 70	Detection Limit 0.50 0.50 0.50 0.50 1.0 Limits (%) - 130	Units µg/L µg/L µg/L µg/L	Prep Date N/A N/A N/A N/A N/A	Prep Batch N/A N/A N/A N/A	Analysis Date 10/20/2005 10/20/2005 10/20/2005 10/20/2005 10/20/2005 Analyzed by: TAF	QC Batch WM2051020 WM2051020 WM2051020 WM2051020 WM2051020
Toluene-d8 Lab #: 45854-002 EPA 5030C EPA 8260B Parameter Benzene Toluene Ethyl Benzene Xylenes, Total Methyl-t-butyl Ether Surrogate 4-Bromofluorobenzene Dibromofluoromethane Toluene-d8	Sample ID: MW-2 EPA 624 Result O ND ND ND ND ND ND Surrogate Recovery 92.0 91.7		70 D/P-F 1.0 1.0 1.0 1.0 70 Tontrol 70	Detection Limit 0.50 0.50 0.50 0.50 1.0 Limits (%) - 130 - 130	Units µg/L µg/L µg/L µg/L	Prep Date N/A N/A N/A N/A N/A	Prep Batch N/A N/A N/A N/A	Analysis Date 10/20/2005 10/20/2005 10/20/2005 10/20/2005 10/20/2005 Analyzed by: TAF Reviewed by: Maio	8260Petroleum QC Batch WM2051020 WM2051020 WM2051020 WM2051020
Toluene-d8 Lab #: 45854-002 EPA 5030C EPA 8260B Parameter Benzene Toluene Ethyl Benzene Xylenes, Total Methyl-t-butyl Ether Surrogate 4-Bromofluorobenzene Dibromofluoromethane Toluene-d8 EPA 5030C GC-MS	Sample ID: MW-2 EPA 624 Result O ND ND ND ND ND ND ND Surrogate Recovery 92.0 91.7 98.7	Qual	70 D/P-F 1.0 1.0 1.0 1.0 70 Tontrol 70	Detection Limit 0.50 0.50 0.50 0.50 1.0 Limits (%) - 130 - 130	Units µg/L µg/L µg/L µg/L	Prep Date N/A N/A N/A N/A N/A	Prep Batch N/A N/A N/A N/A	Analysis Date 10/20/2005 10/20/2005 10/20/2005 10/20/2005 10/20/2005 Analyzed by: TAF Reviewed by: Maio	8260Petroleum QC Batch WM2051020 WM2051020 WM2051020 WM2051020
Toluene-d8 Lab #: 45854-002 EPA 5030C EPA 8260B Parameter Benzene Toluene Ethyl Benzene Xylenes, Total Methyl-t-butyl Ether Surrogate 4-Bromofluorobenzene Dibromofluoromethane Toluene-d8 EPA 5030C GC-MS Parameter	Sample ID: MW-2 EPA 624 Result O ND ND ND ND ND ND ND Surrogate Recovery 92.0 91.7 98.7		70 D/P-F 1.0 1.0 1.0 1.0 70 70 70	Detection Limit 0.50 0.50 0.50 0.50 1.0 Limits (%) - 130 - 130 - 130	Units µg/L µg/L µg/L µg/L µg/L µg/L Units	Prep Date N/A N/A N/A N/A N/A N/A	Prep Batch N/A N/A N/A N/A N/A	Analysis Date 10/20/2005 10/20/2005 10/20/2005 10/20/2005 10/20/2005 Analyzed by: TAF Reviewed by: Maio	8260Petroleum QC Batch WM2051020 WM2051020 WM2051020 WM2051020 WM2051020
Toluene-d8 Lab #: 45854-002 EPA 5030C EPA 8260B Parameter Benzene Toluene Ethyl Benzene Xylenes, Total Methyl-t-butyl Ether Surrogate 4-Bromofluorobenzene Dibromofluoromethane Toluene-d8 EPA 5030C GC-MS Parameter TPH as Gasoline	Sample ID: MW-2 EPA 624 Result O ND ND ND ND ND ND Surrogate Recovery 92.0 91.7 98.7 Result O	Qual	70 D/P-F 1.0 1.0 1.0 1.0 70 70 70 D/P-F 1.0	Detection Limit 0.50 0.50 0.50 0.50 1.0 Limits (%) - 130 - 130 - 130 Detection Limit 25	Units µg/L µg/L µg/L µg/L µg/L	Prep Date N/A N/A N/A N/A N/A N/A Prep Date	Prep Batch N/A N/A N/A N/A N/A N/A	Analysis Date 10/20/2005 10/20/2005 10/20/2005 10/20/2005 10/20/2005 Analyzed by: TAF Reviewed by: Maio TPH as Gas Analysis Date	8260Petroleum QC Batch WM2051020 WM2051020 WM2051020 WM2051020 WM2051020 ChiTu
Toluene-d8 Lab #: 45854-002 EPA 5030C EPA 8260B Parameter Benzene Toluene Ethyl Benzene Xylenes, Total Methyl-t-butyl Ether Surrogate 4-Bromofluorobenzene Dibromofluoromethane Toluene-d8 EPA 5030C GC-MS Parameter	Sample ID: MW-2 EPA 624 Result O ND ND ND ND ND ND ND Surrogate Recovery 92.0 91.7 98.7	Qual	70 D/P-F 1.0 1.0 1.0 1.0 70 70 70 D/P-F 1.0	Detection Limit 0.50 0.50 0.50 0.50 1.0 Limits (%) - 130 - 130 Detection Limit	Units µg/L µg/L µg/L µg/L µg/L µg/L Units	Prep Date N/A N/A N/A N/A N/A N/A Prep Date	Prep Batch N/A N/A N/A N/A N/A N/A	Analysis Date 10/20/2005 10/20/2005 10/20/2005 10/20/2005 10/20/2005 Analyzed by: TAF Reviewed by: Maid TPH as Gas Analysis Date 10/20/2005	8260Petroleum QC Batch WM2051020 WM2051020 WM2051020 WM2051020 WM2051020 ChiTu Soline - GC-MS QC Batch WM2051020

Toluene-d8

102

70 - 130

3334 Victor Court, Santa Clara, CA 95054

Weber, Hayes and Associates 120 Westgate Drive Watsonville, CA 95076 Attn: Jered Chaney

Phone: (408) 588-0200

Date Received: 10/19/2005 2:13:47 PM

Fax: (408) 588-0201

Project Number: 22029.Q Project Name: C&N Tractors GlobalID: T0605300360

Certificate of Analysis - Data Report

Lab #: 45854-003	Sample ID: MW-	3			N	Matrix: Liqu	iid Sample I	Date: 10/19/2003	5 8:40 AM
EPA 5030C EPA 8260B		Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	8 Analysis Date	260Petroleum QC Batch
Benzene	ND	×	1.0	0.50	μg/L	N/A	N/A	10/20/2005	WM2051020
Toluene	ND		1.0	0.50	μg/L	N/A	N/A	10/20/2005	WM2051020
Ethyl Benzene	ND		1.0	0.50	μg/L	N/A	N/A	10/20/2005	WM2051020
Xylenes, Total	ND		1.0	0.50	μg/L	N/A	N/A	10/20/2005	WM2051020
Methyl-t-butyl Ether	ND		1.0	1.0	μg/L	N/A	N/A	10/20/2005	WM2051020
	Surrogate Recovery		Control I	Limits (%)				Analyzed by: TAF	10.7
Surrogate 4-Bromofluorobenzene	91.5		70 -					Reviewed by: MaiC	hiTu
Dibromofluoromethane	92.4		70 -					-	
Toluene-d8	97.6		70 -						
Totache-do	71.0		, 0	100					
EPA 5030C GC-MS								TPH as Gas	oline - GC-MS
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	25	μg/L	N/A	N/A	10/20/2005	WM205102
Surrogate	Surrogate Recovery	,	Control l	imits (%)				Analyzed by: TAF	
4-Bromofluorobenzene	100		70 -	130				Reviewed by: MaiC	ChiTu
Dibromofluoromethane	102		70 -	130					
Toluene-d8	100		70 -	130					
Lab #: 45854-004	C I ID BATT								
EPA 5030C EPA 8260B	Sample ID: MW	-4			-	Matrix: Liq	uid Sample	Date: 10/19/200	8260Petroleum
EPA 5030C EPA 8260B Parameter	·	-4 Qual	D/P-F	Detection Limit	Units	Matrix: Liq Prep Date	uid Sample		· · · · · · · · · · · · · · · · · · ·
	B EPA 624		D/P-F	Detection Limit					8260Petroleum QC Batch WM205102
Parameter	B EPA 624 Result				Units	Prep Date	Prep Batch N/A N/A	Analysis Date 10/20/2005 10/20/2005	8260Petroleum QC Batch WM205102 WM205102
Parameter Benzene	Result ND		1.0	0.50	Units μg/L	Prep Date	Prep Batch N/A N/A N/A	Analysis Date 10/20/2005 10/20/2005 10/20/2005	QC Batch WM205102 WM205102 WM205102
Parameter Benzene Toluene	Result ND ND		1.0 1.0	0.50 0.50	Units μg/L μg/L	Prep Date N/A N/A	Prep Batch N/A N/A N/A N/A	Analysis Date 10/20/2005 10/20/2005 10/20/2005 10/20/2005	QC Batch WM205102 WM205102 WM205102 WM205102 WM205102
Parameter Benzene Toluene Ethyl Benzene	Result ND ND ND ND		1.0 1.0 1.0	0.50 0.50 0.50	Units μg/L μg/L μg/L	Prep Date N/A N/A N/A	Prep Batch N/A N/A N/A	Analysis Date 10/20/2005 10/20/2005 10/20/2005	QC Batch WM205102 WM205102 WM205102 WM205102 WM205102
Parameter Benzene Toluene Ethyl Benzene Xylenes, Total	Result ND ND ND ND ND ND ND	Qual	1.0 1.0 1.0 1.0 1.0	0.50 0.50 0.50 0.50	Units µg/L µg/L µg/L µg/L	Prep Date N/A N/A N/A N/A N/A	Prep Batch N/A N/A N/A N/A	Analysis Date 10/20/2005 10/20/2005 10/20/2005 10/20/2005	QC Batch WM205102 WM205102 WM205102 WM205102
Parameter Benzene Toluene Ethyl Benzene Xylenes, Total Methyl-t-butyl Ether	Result ND ND ND ND ND 11	Qual	1.0 1.0 1.0 1.0 1.0	0.50 0.50 0.50 0.50 1.0	Units µg/L µg/L µg/L µg/L	Prep Date N/A N/A N/A N/A N/A	Prep Batch N/A N/A N/A N/A	Analysis Date 10/20/2005 10/20/2005 10/20/2005 10/20/2005 10/20/2005	QC Batch WM205102 WM205102 WM205102 WM205102 WM205102
Parameter Benzene Toluene Ethyl Benzene Xylenes, Total Methyl-t-butyl Ether Surrogate	Result ND ND ND ND ND 11 Surrogate Recovery	Qual	1.0 1.0 1.0 1.0 1.0 Control	0.50 0.50 0.50 0.50 1.0 Limits (%)	Units µg/L µg/L µg/L µg/L	Prep Date N/A N/A N/A N/A N/A	Prep Batch N/A N/A N/A N/A	Analysis Date 10/20/2005 10/20/2005 10/20/2005 10/20/2005 10/20/2005 Analyzed by: TAF	QC Batch WM205102 WM205102 WM205102 WM205102 WM205102
Parameter Benzene Toluene Ethyl Benzene Xylenes, Total Methyl-t-butyl Ether Surrogate 4-Bromofluorobenzene	Result ND ND ND ND ND 11 Surrogate Recovery	Qual	1.0 1.0 1.0 1.0 1.0 Control	0.50 0.50 0.50 0.50 1.0 Limits (%)	Units µg/L µg/L µg/L µg/L	Prep Date N/A N/A N/A N/A N/A	Prep Batch N/A N/A N/A N/A	Analysis Date 10/20/2005 10/20/2005 10/20/2005 10/20/2005 10/20/2005 Analyzed by: TAF	8260Petroleum QC Batch WM205102 WM205102 WM205102 WM205102 WM205102
Parameter Benzene Toluene Ethyl Benzene Xylenes, Total Methyl-t-butyl Ether Surrogate 4-Bromofluorobenzene Dibromofluoromethane Toluene-d8	Result ND ND ND ND ND 11 Surrogate Recovery 91.8 90.9	Qual	1.0 1.0 1.0 1.0 1.0 Control 70	0.50 0.50 0.50 0.50 1.0 Limits (%) - 130	Units µg/L µg/L µg/L µg/L	Prep Date N/A N/A N/A N/A N/A	Prep Batch N/A N/A N/A N/A	Analysis Date 10/20/2005 10/20/2005 10/20/2005 10/20/2005 10/20/2005 Analyzed by: TAF Reviewed by: Maid	8260Petroleum QC Batch WM205102 WM205102 WM205102 WM205102 WM205102
Parameter Benzene Toluene Ethyl Benzene Xylenes, Total Methyl-t-butyl Ether Surrogate 4-Bromofluorobenzene Dibromofluoromethane Toluene-d8 EPA 5030C GC-MS	Result ND ND ND ND ND 11 Surrogate Recovery 91.8 90.9	Qual	1.0 1.0 1.0 1.0 1.0 Control 70 70	0.50 0.50 0.50 0.50 1.0 Limits (%) - 130	Units µg/L µg/L µg/L µg/L	Prep Date N/A N/A N/A N/A N/A	Prep Batch N/A N/A N/A N/A	Analysis Date 10/20/2005 10/20/2005 10/20/2005 10/20/2005 10/20/2005 Analyzed by: TAF Reviewed by: Maid	8260Petroleum QC Batch WM205102 WM205102 WM205102 WM205102 ChiTu
Parameter Benzene Toluene Ethyl Benzene Xylenes, Total Methyl-t-butyl Ether Surrogate 4-Bromofluorobenzene Dibromofluoromethane Toluene-d8 EPA 5030C GC-MS Parameter	Result ND ND ND ND 11 Surrogate Recovery 91.8 90.9 98.1	Qual	1.0 1.0 1.0 1.0 1.0 Control 70 70	0.50 0.50 0.50 0.50 1.0 Limits (%) - 130 - 130	Units µg/L µg/L µg/L µg/L µg/L	Prep Date N/A N/A N/A N/A N/A N/A	Prep Batch N/A N/A N/A N/A N/A N/A	Analysis Date 10/20/2005 10/20/2005 10/20/2005 10/20/2005 10/20/2005 Analyzed by: TAF Reviewed by: Maid	QC Batch WM205102 WM205102 WM205102 WM205102 WM205102 ChiTu
Parameter Benzene Toluene Ethyl Benzene Xylenes, Total Methyl-t-butyl Ether Surrogate 4-Bromofluorobenzene Dibromofluoromethane Toluene-d8 EPA 5030C GC-MS Parameter TPH as Gasoline	Result ND ND ND ND 11 Surrogate Recovery 91.8 90.9 98.1 Result ND	Qual Y	1.0 1.0 1.0 1.0 1.0 Control 70 70 70 D/P-F	0.50 0.50 0.50 0.50 1.0 Limits (%) - 130 - 130 Detection Limit	Units µg/L µg/L µg/L µg/L µg/L µg/L µg/L	Prep Date N/A N/A N/A N/A N/A Prep Date	Prep Batch N/A N/A N/A N/A N/A N/A Prep Batch	Analysis Date 10/20/2005 10/20/2005 10/20/2005 10/20/2005 10/20/2005 Analyzed by: TAF Reviewed by: Maid TPH as Gas Analysis Date	QC Batch WM205102 WM205102 WM205102 WM205102 WM205102 ChiTu
Parameter Benzene Toluene Ethyl Benzene Xylenes, Total Methyl-t-butyl Ether Surrogate 4-Bromofluorobenzene Dibromofluoromethane Toluene-d8 EPA 5030C GC-MS Parameter	Result ND ND ND ND 11 Surrogate Recovery 91.8 90.9 98.1 Result	Qual Y	1.0 1.0 1.0 1.0 1.0 70 70 70 D/P-F 1.0 Control	0.50 0.50 0.50 0.50 1.0 Limits (%) - 130 - 130 Detection Limit	Units µg/L µg/L µg/L µg/L µg/L µg/L µg/L	Prep Date N/A N/A N/A N/A N/A Prep Date	Prep Batch N/A N/A N/A N/A N/A N/A Prep Batch	Analysis Date 10/20/2005 10/20/2005 10/20/2005 10/20/2005 10/20/2005 Analyzed by: TAF Reviewed by: Maid TPH as Gas Analysis Date 10/20/2005	8260Petroleum QC Batch WM205102 WM205102 WM205102 WM205102 ChiTu Soline - GC-MS QC Batch WM205102

Dibromofluoromethane

Toluene-d8

101

101

- 130

70 - 130

70

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Method Blank - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WM2051020 Validated by: MaiChiTu - 10/24/05

QC Batch Analysis Date: 10/20/2005

Parameter	Result	DF	PQLR	Units
Benzene	ND	1	0.50	μg/L
Ethyl Benzene	ND	1	0.50	μg/L
Methyl-t-butyl Ether	ND	1	1.0	μg/L
Toluene	ND	1	0.50	μg/L
Xylenes, Total	ND	1	0.50	μg/L

Surrogate for Blank	% Recovery	Cont	rol	Limits
4-Bromofluorobenzene	90.3	70	-	130
Dibromofluoromethane	90.4	70	-	130
Toluene-d8	97.3	70	-	130

Laboratory Control Sample / Duplicate - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WM2051020 Reviewed by: MaiChiTu - 10/24/05

QC Batch ID Analysis Date: 10/20/2005

LCS					0/ Barana	Decoupy Limite
Parameter	Method Blan	k Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1.1-Dichloroethene	< 0.50	20	21.3	μg/L	107	70 - 130
Benzene	<0.50	20	19.3	μg/L	96.7	70 - 130
Chlorobenzene	<0.50	20	22.2	μg/L	111	70 - 130
Methyl-t-butyl Ether	<1.0	20	17.1	μg/L	85.7	70 - 130
Toluene	<0.50	20	19.5	μg/L	97.7	70 - 130
Trichloroethene	< 0.50	20	22.2	μg/L	111	70 - 130
Surrogate	% Recovery	Control Limits				

76 Recovery	Control Limits					
90.2	70 - 130					
92.4	70 - 130					
95.5	70 - 130					
	90.2 92.4					

LCSD								
Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	20.0	μg/L	100	6.4	25.0	70 - 130
Benzene	<0.50	20	18.5	μg/L	92.6	4.3	25.0	70 - 130
Chlorobenzene	<0.50	20	21.4	μg/L	107	3.8	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	16.4	μg/L	82.1	4.2	25.0	70 - 130
Toluene	<0.50	20	18.8	μg/L	93.8	4.1	25.0	70 - 130
Trichloroethene	<0.50	20	21.1	μg/L	106	5.0	25.0	70 - 130

% Recovery	Control Limits				
90.5	70	-	130		
91.3	70	-	130		
95.7	70	-	130		
	90.5 91.3	90.5 70 91.3 70	90.5 70 - 91.3 70 -		

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Matrix Spike / Matrix Spike Duplicate - Liquid - EPA 8260B - 8260Petroleum

QC Batch ID: WM2051020 Reviewed by: MaiChiTu - 10/24/05

QC Batch ID Analysis Date: 10/20/2005

MS Sample Spiked: 45824-002

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
Benzene	5.63	20	25.0	μg/L	10/20/2005	96.6	70 - 130
Methyl-t-butyl Ether	1.14	20	19.0	μg/L	10/20/2005	89.3	70 - 130
Toluene	5.12	20	23.9	μg/L	10/20/2005	94.1	70 - 130

Surrogate	% Recovery	Control Limits					
4-Bromofluorobenzene	90.1	70	-	130			
Dibromofluoromethane	97.6	70	~	130			
Toluene-d8	94.4	70	-	130			

MSD Sample Spiked: 45824-002

	Sample	Spike	Spike		Analysis				Recovery
Parameter	Result	Amount	Result	Units	Date	% Recovery	RPD	RPD Limits	Limits
Benzene	5.63	20	24.1	μg/L	10/20/2005	92.2	4.6	25.0	70 - 130
Methyl-t-butyl Ether	1.14	20	19.0	μg/L	10/20/2005	89.2	0.15	25.0	70 - 130
Toluene	5.12	20	23.6	μg/L	10/20/2005	92.6	1.6	25.0	70 - 130

Surrogate	% Recovery	Control Limits					
4-Bromofluorobenzene	89.7	70	-	130			
Dibromofluoromethane	97.3	70	-	130			
Toluene-d8	94.8	70	-	130			

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Method Blank - Liquid - GC-MS - TPH as Gasoline - GC-MS

Validated by: MaiChiTu - 10/24/05 QC Batch ID: WM2051020

QC Batch Analysis Date: 10/20/2005

PQLR Units DF Result **Parameter** ND 25 μg/L 1 TPH as Gasoline

% Recovery Control Limits Surrogate for Blank 70 - 130 4-Bromofluorobenzene 99.1 70 - 130 Dibromofluoromethane 100 Toluene-d8 100 70 - 130

Laboratory Control Sample / Duplicate - Liquid - GC-MS - TPH as Gasoline - GC-MS

Reviewed by: MaiChiTu - 10/24/05 QC Batch ID: WM2051020

QC Batch ID Analysis Date: 10/20/2005

LCS

Recovery Limits Parameter Method Blank Spike Amt SpikeResult Units % Recovery 65 - 135 250 270 μg/L 108 TPH as Gasoline <25 **Control Limits** % Recovery Surrogate 70 - 130 101 4-Bromofluorobenzene

102 70 - 130 Dibromofluoromethane Toluene-d8 100 70 - 130

LCSD

Method Blank Spike Amt SpikeResult RPD Limits Recovery Limits Units % Recovery RPD **Parameter** 25.0 65 - 135 109 0.79 250 272 μg/L TPH as Gasoline <25

Control Limits Surrogate % Recovery 70 - 130 102 4-Bromofluorobenzene 70 - 130 Dibromofluoromethane 102 101 70 - 130 Toluene-d8



Weber, Hayes & Associates
Hydrogeology and Environmental Engineering
120 Westgate Dr.. Watsonville, CA 95076
(831) 722-3580 (831) 662-3100
Fax: (831) 722-1159

SEND CERTIFIED RESULTS TO: Weber, Hayes & Associates - Attention: Jered Chaney

X YES NO

ELECTRONIC DELIVERABLE FORMAT:

Sampler: Jered Chaney

PROJECT NAME AND JOB #: C & N Tractors / 22029.Q

Entech	 •
LABORATORY:	

, OF

CHAIN -OF-CUSTODY RECORD

72hr Rush 48hr Rush TURNAROUND TIME: (5-Day Turnaround

GLOBAL I.D.: T0605300360	
GLO	

		Additional Analysis	_	6	8	SS SS	366						
		Additic	Total Lead	7									
			1,2 EPA	, Š									
	YSIS	Volatile Organics	EDB Methanol EPA Method# EPA Method#	8015M									
	REQUESTED ANALYSIS	Volatile	E EDB	8260							-	******	
	REQUES		BTEX & MtBE EPA Method#	8260	* *	×	¥						
		ocarbons	TPH-Gasoline BTEX & MtBE by EPA Method#	sw. ⊀	u	x	×						
		Total Petroleum Hydrocarbons	Total Recoverable Petroleum Hydrocarbons										
		Total	TPH-Diesel										
	ď	•	Liner Acetate or										
	RENER		mL Poly Bottle										
	SAMPLE CONTAINERS		VOAs Amber Jars Poly Bottle										
		,	40 mL VOAs	(perieseid)	~ ~	~	43						
			ıjsM	d	P-	_	>						
		i	sampled Sampled	4	150	0840	0440						
			Sampled	- lest si	() _		>						
			Sample Depth		9.5.	5.83	22.01						
10/19/05			Sample. Identification		7.35	20.3	7.3.						
Date:			Field Point Name (Geatracker	3	S. C. T.	25.35	2.5						

10/19/05 Time	
RECEIVED BY	
Date & Time 16/17/05/12(0 (5)/(9/05/13/5)	
1,) (2,) (3,) (4,)	5.)

10/19/05		,	ADDITIONAL COMMENTS
a diedo			IIGAA
	7 ↑		

ION:	Frozen	Frozen	Frozen	Frozen	Frozen	
SAMPLE CONDITION: (eircle 1)	Refrigerated	Refrigerated	Refrigerated	Refrigerated	Refrigerated	
	Ambient	Ambient	Ambient	Ambient	Ambient	

NOTES:

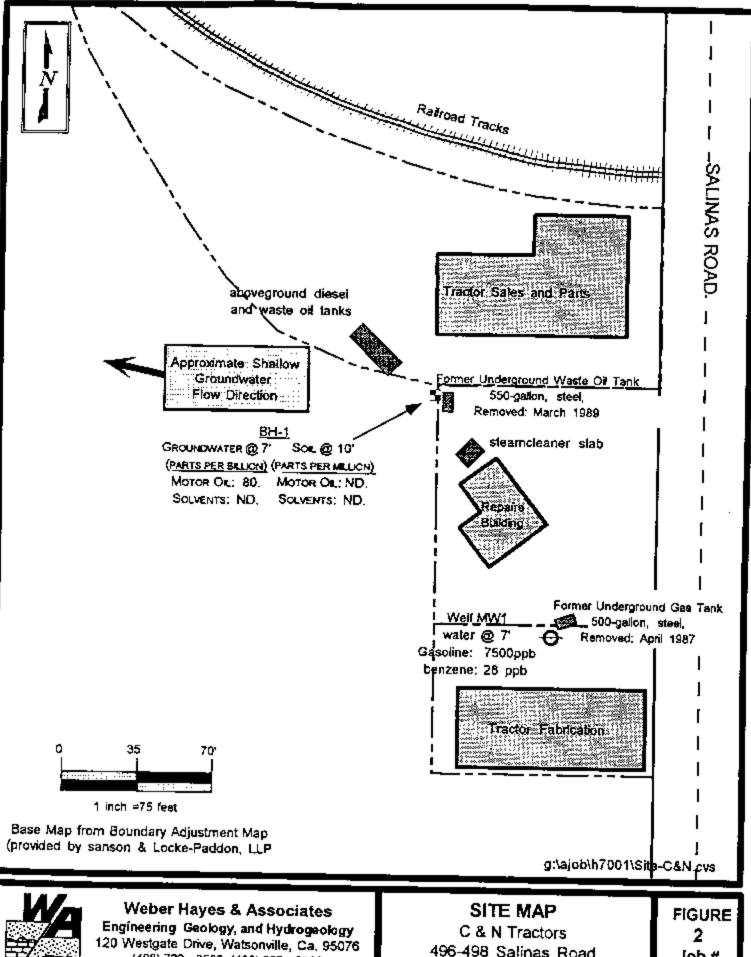
Semi-Annual Groundwater Monitoring Report - Fall 2005 496 Salinas Road, Watsonville November 1, 2005

APPENDIX C

Former Waste Oil UST Closure Application, Site Map, and Certificate of Analysis (BH-1) - Previously submitted in Weber, Hayes and Associates *Phase I and II Environmental Site Assessment* dated April 14, 1997

	WASTE OIL TANK
Permit No.	REMOVAL
ree \$100.00/1 tank, \$30.00 each additional	REMUVAL
1180 Broadway Division of Environmental H	
Ving City, CA . Monterey County Health Depa	artment Monterey, CA
(408) 385-1291 1270 Natividad Road, Salina (408) 757-1061	as, CA (408) 373-0111
UNDERGROUND STORAGE TANK CLOSU	URE APPLICATION
ADDRESS OF PERMIT ACTIVITY: 496 Sclings Rd	Watsonville, (Elf. 95076
FACILITY NAME: CONSTRUCTORS	
FACILITY CONTACT PERSON: Jimmie A. Co	CX PHONE: 792-2733
APPLICANT'S NAME: C+N Tractors	PHONE: 723-2733
MAILING ADDRESS: 496 Salinas Rd, W	
CONTRACTOR: Kuclas Concrete	PHONE: 722-9944
CONTRACTOR LICENSE CLASS: C-8	LICENSE NUMBER: 285183
TYPE OF CLOSURE: Removal Abandonment in place	Temporary
Do you have reason to believe that the tank(s) or pileaking?	lping is currently, or ever was,
Yes No If yes, please explain	
location (under a building, under other private proposubstance(s) currently or previously stored in the to 500 Gal Steel tank fence line between main There is a coment pack or used to store waste oil	Early (s): Shop and wash rack,
	·
Final deposition of tank:	D # 13789
Final deposition of tank: 1. Reuse as an above ground storage tan Location Location	
Hauler Waste	Hauler Number
2. Off site disposal	
Location Waste	Hauler number
3. Cleaned on site and removed to a met	tal Salvager
Tank Cleaning Company	
Metal Salvager	· · · ·
Applicant's Signature	Date
ENVIRONMENTAL HEALTH DEPARTME	ENT USE ONLY
Date of Inspection:	
Inspected by:	

Tank vapor purged:

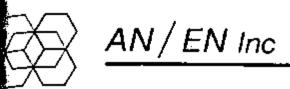




(408) 722 - 3580 (408) 662 - 3100

496-498 Salinas Road Watsonville, California

Job# H7001



Analytical & Environmental Chemistry

TPH-EXTRACTABLE (OIL RANGE) BY GC/FID

Client Project/I.D.:

H7001 C&N TRACTORS

Date Sampled:

03/11/97

Date Received:

03/12/97

Date Extracted:

03/13/97

Matrix:

Water

Analyst:

m

Concentration in sample expressed as ug/L (ppb).

Sample ID	Oil	Lab I.D.	Surrogate Recovery	Date Analyzed	PQL (ppb)
8H-1 (Water)	80	4851-03	84%	03/18/97	50
Method Blank	ND	4851-MB	79%	03/18/97	50

POL = Practical Quantitation Limit.

ND = None Detected at or above the PQL.

Surrogate acceptance control limits are 58-119%. Hexacosane (C26) is used as the surrogate compound.

NOTE: Sample BH-1 (Water) contains a light oil in the range C16-C27.

Total Extractable Petroleum Hydrocarbons are analyzed in accomtance with the California State Water Resources Control Board Leaking Underground Fuel Tank (LUFT) Manual, Last Revision October 1989. Method 3510 is used for sample preparation.

Perysted paper



Analytical & Environmental Chemistry

TPH-EXTRACTABLE (OIL RANGE) BY GC/FID

Client Project/I.D.:

H7001 C&N TRACTORS

Date Sampled:

03/11/97

Date Received:

03/12/97

Date Extracted:

03/17/97

Matrix:

Soil

Analyst:

pm

Concentration in sample expressed as ug/g (ppm).

Sample ID	Oil	Lab I.D.	Surrogate Recovery	Date Analyzed	PQL
8H-1 @10'	ΝĐ	4851-02	82%	03/17/97	10
Method Blank	ND	4851-MB	88%	03/17/97	10

PQL = Practical Quantitation Limit.

ND = None Detected at or above the PQL.

Surrogate recovery control limits for hexacosane (C26) are 68-110%.

Total Extractable Petroleum Hydrocartrons is analyzed in accordance with the California State Water Resources Control Board Leaking Underground Fuel Tank (LUFT) Manual, Last Revision October 1989. Method 3550 is used for sample preparation.

⁵ RESERVATION ROAD, SUITE G • MARINA, CA 93933 • (408) 883-0123 • FAX (408) 883-0122

recycled paper

Semi-Annual Groundwater Monitoring Report - Fall 2005 496 Salinas Road, Watsonville November 1, 2005

APPENDIX D

Case Closure Summary Report

Leaking Underground Storage Tank Program

I. Agency Information

Agency Name: RWQCB - Central Coast Region	Address: 895 Aerovista Place, Suite 101	
City/State/Zip: San Luis Obispo, CA 93401	Phone: (805) 542-4628	
Responsible Staff person: John Goni	Title:	

II. Case Information

Site Facility Name: C & N Tractors	LUSTIS Case #: 675					
Site Facility Address: 496 Salinas Roa	Site Facility Address: 496 Salinas Road, Watsonville, California					
Responsible Parties	Address	Phone Number				
Ms. Judy Cox	Ms. Judy Cox 21389 Boyle Road, Palo Cedro, California 96703					

III. Tank Information

Tank #	Size in Gallons	Contents	Closed in Place/Removed	Date
1	550-gallon	Unleaded Gasoline	Removed	April 30, 1987
2				
3				
4				
5				

IV. Release and Site Characterization Information

Cause and Type of Release: corrosion					
Site Characterization Complete? yes	tion Complete? yes Date Approved by Oversight Agency: May 22, 2003				
Monitoring Wells Installed? yes	Number: four	Proper Screened interval? yes			
Highest GW Depth Below Ground Surface: 4.20 ft.	Lowest: > 14 ft.	Flow Direction: SE - SW			
Most Sensitive Current GW Use: Unknown					
Are Drinking Water Wells Affected? No	Aquifer Name: shall	ow unconfined			
Is Surface Water Affected? No Nearest affected SW name: None					
Off-site Beneficial Use Impacts (addresses/locations): None					

Leaking Underground Storage Tank Program

V. Treatment/Disposal Methods (Attach any additional information)

Material	Amount (Include Units)	Action (Treatment or Disposal Method)	Date
Tanks	550-gallons	Removed	April 30, 1987
Piping			
Free Product			
Soil			
Ground Water			

Maximum Documented Contaminant ConcentrationsBefore and After Cleanup									
Contaminant	Contaminant Soil (mg/kg) *		Water (mg/L)		Contaminant	Soil (mg/kg)		Water (mg/L)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)	330	220	20,000	65	1,2-DCA				
TPH (Diesel)					Oil & Grease				
Benzene	0.1	ND	31	ND	Lead				
Toluene	17	ND	35	ND	MTBE	ND	ND	8.2*	11*
Ethylbenzene		ND	330	ND	Other				
Xylenes	130	ND	1,200	ND					

Comments: The "before" maximum soil contaminant concentrations presented above were obtained by the Don Chapin Co. from the UST excavation during tank closure operations on April 30, 1987. The "after" maximum soil contaminant concentrations presented above come from a small lens of impacted soil encountered during the installation of well MW-2 on January 25, 2005. The "before" maximum contaminant concentrations detected in groundwater are from WHA soil and groundwater assessment work conducted In June 2003. The "after" maximum contaminant concentrations detected in groundwater are from WHA most recent groundwater monitoring event on October 19, 2005. *MTBE in one well is not related to tank release.

VI. Closure

Does completed corrective action protect existing beneficial uses per the Basin Plan? yes

Does completed corrective action protect potential beneficial uses per the Basin Plan? yes

Does corrective action protect public health for current land use? yes

Site Management Requirements: none

	ground S	Storage Tank Progra	am		
<u> </u>	<u> </u>				
Should corrective action be reviewed if land u	ıse changes	?? no			
Monitoring Wells Decommissioned? 0	Number De	ecommissioned: 0	Number Retained: 4		
List Enforcement Actions Taken: none					
List Enforcement Actions Rescinded: N/A					
VII. Local Agency Representati	ve Data				
Agency: Monterey County Health Department – Division of Environmental Health					
City/State/Zip: Salinas, CA 93906		Phone: (831) 755-4723			
Responsible Staff Person: Robert Fernandez		Title: Registered Environ	mental Health Specialist		
VIII. Additional Comments					
Three consecutive rounds of groundwater monitor	ring at the su	bject site confirm that conta	minant concentrations remain		
below regulatory Action Levels / Maximum Contar	minant Level	s, with the exception of the le	ow level detection of MtBE		
present in well MW-4, MTBE is not present in monitoring wells at and closer to the former tank). The low detection of MtBE					
in MW-4 is believed to have originated from a minor surface spillage and is not considered a significant threat to					
groundwater. The plume has naturally attenuated based on the lack of volatile compounds (BTEX) and the low level					
detection of TPH-gas, which is common for old re	eleases that h	nave attenuated by biodegra	adation and/or soil vapor		
volatilization.					

Leaking Underground Storage Tank Program

IX. Regional Board Certification

Signature of Executive Officer	Date:

- X. Additional Information (to be attached to this report)
- 1. <u>Listing of Reports</u>

Weber Hayes and Associates Reports for C & N Tractors 496-498 Salinas Road, Watsonville, California:

Phase I & II Environmental Site Assessment, April 14, 1997.

Workplan for Soil and Groundwater Characterization, April 11, 2003.

Summary Report: Shallow Soil and Groundwater Assessment Report, 2. Workplan: Installation of a Shallow Groundwater Monitoring Network, October 3, 2003

Monitoring Well Installation, Development, and Sampling Report, March 9, 2005

Semi-Annual Groundwater Monitoring Report – Spring 2005, May 3, 2005

On or attached to the list must be the following statement, with the dated signature of the responsible party or his agent:

I attest, under penalty of perjury, in accordance with Water Code section 13267, the following documents constitute the complete list of documents pertaining to waste discharged, hydrogeology and other information directly relevant to the characterization and cleanup of the waste discharged at the subject site.

Signed _	Dancha	Date	11/1/05	
	Jered Chaney Staff Geologist			

1

2. <u>Extent of Soil Contamination</u>

ATTACHMENT A: Map showing the extent of soil degradation by chemicals of concern in excess of guidelines:

A-1: Figure 3, Soil and Groundwater Analytical Results – July 17 & 19, 2003

ATTACHMENT B: Geologic log of the most highly degraded soil boring:

B-1: Geologic Log of Monitoring Well MW-2

ATTACHMENT C: Soil sample analytical results:

C-1: Table 3: Current Soil Sample Results, from WHA Shallow Soil and Groundwater Assessment Report dated October 3, 2003

C-2: Table 2: Summary of Soil Sample Analytical Data

3. Extent of Groundwater Contamination

ATTACHMENT D: Maps showing the extent of groundwater degradation in excess of detection limits for chemicals of concern before and after remediation:

D-1: Figure 3, Soil and Groundwater Analytical Results – July 17 & 19, 2003

D-2: Figure 2, Groundwater Monitoring Results – October 19, 2005

ATTACHMENT E: Geologic logs, including construction, for all wells:

E-1: Geologic Logs of Hydraulic Driven Geo-Probe Borings DP-1 through DP-6

E-2: Geologic Log of Monitoring Wells MW-2, 3, & 4.

ATTACHMENT F: Groundwater sample analytical results:

F-1: Table 3: Current Groundwater Sample Results, WHA Shallow Soil and Groundwater Assessment Report dated October 3, 2003

F-2: Table 1: Summary of Groundwater Elevation and Analytical Data

ATTACHMENT A
Maps showing the extent of soil degradation by chemicals of concerr in excess of guidelines:
A-1: Figure 3, Soil and Groundwater Analytical Results – July 17 & 19, 2003

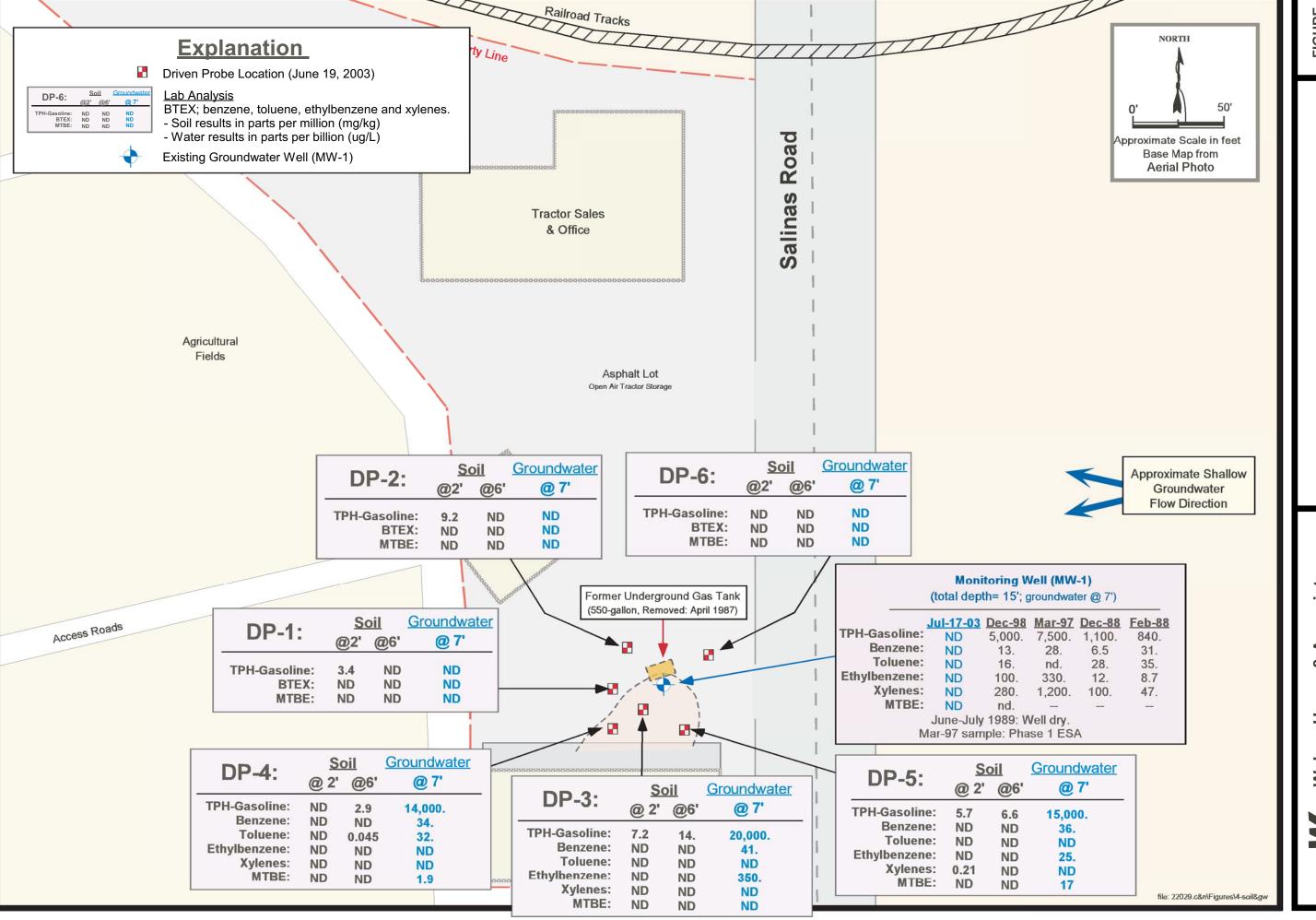


FIGURE 3 Job # 22029.B

SOIL AND GROUNDWATER ANALYTICAL RESULTS
C&N Tractors
496-498 Salinas Road
Watsonville, California

Weber, Hayes & Associates Hydrogeology and Environmental Engineering 120 Westgate Drive, Watsonville, Ca. 95076 (831) 722 - 3580 (831) 662 - 3100

ATTACHMENT B

Geologic log of the most highly degraded soil boring:

B-1: Geologic Log of Monitoring Well MW-2



Geologic Symbols and Terms

	Major Divisions	Syı	mbols	Descriptions
		GW		Well Graded Gravels, little or no fines
	Gravels (More than 1/2 of	GP	**	Poorly Graded Gravels, little or no fines
Soils	coarse fraction > no. 4 sieve size)	GM	\$ \$ \$ \$ 8	Silty Gravels, gravel-silt mixtures
Coarse Grained Soils		GC	1666	Clayey Gravels, gravel-clay mixtures
e Gra		SW		Well Graded Sand, little to no fines
Coars	Sands (More than 1/2 of	SP		Poorly Graded Sand
	coarse fraction < no. 4 sieve size)	SM	1111	Silty Sand, sand-silt mixtures
		sc		Clayey Sand, sand-clay mixtures
Sils	Silts and Clays	ML		Silt or Very Fine Sands, rock flour, with slight plasticity
S pau	Liquid Limit < 50%	CL		Inorganic Clay with high plasticity, lean clay
Fine Grained Soils	Silts and Clays	МН		Inorganic Sandy Clay or Silt, elastic silts
Fine	Liquid Limit > 50%	СН		Inorganic Sandy Clay or Silt, with high plasticity, fat clays

Symbols and Terms

- Stabilized groundwater

7-

- Sample interval

- Soil sample sent to laboratory for targeted analysis



Water sample sent to laboratory for targeted analysis

Well Construction Symbols - Cement Seal

- Bentonite Seal

- Filter Pack

Screened Interval

AB/A-Figure/Patterns.CNV

Percentage Terms

Trace = < 5%

Few = 5 - 10%

Little = 15 - 20%

Some = 30 - 45%

Dominantly = > 50%

Acronyms

ags = above ground surface

bgs = below ground surface

ppmV = parts per million by volume

PID = Photo-Ionization Detector

USCS = Unified Soil Classification System

SOIL DENSITY/CONSISTENCY

Blow count is the number of blows required to drive a 2-inch diameter California Modified Split-Spoon Sampler the last 12 inches of an 18 inch sample interval by a 140-pound hammer free-falling 30 inches.

SANDS & GRAVELS	BLOWS/FT.	SILTS & CLAYS	BLOWS/FT.
VERY LOOSE	0 - 4	VERY SOFT	0 - 2
LOOSE	4 - 10	SOFT	2 - 4
MED DENSE	10 - 30	FIRM	4 - 8
DENSE	30 - 50	STIFF	8 - 16
VERY DENSE	> 50	VERY STIFF	16 - 32
VEIX: BEIXOE	. 50	HARD	> 32



Monitoring Well

JOB NO.: 22029.C DATE: January 25, 2005

CLIENT: C & N Tractors

LOCATION: 496-498 Salinas Road, Pajaro, Monterey County

LOGGED & SAMPLED BY: J. Chaney

DRILLER: Exploration Geoservices (Lauren / Jason)

DRILL METHOD: Hollow Stem Auger

BORING #

MW-2

Sheet 1 of 1

Depth (feet)	ampling Interval	Sample Analyzed	Sample Identification & OVA Data (ppmv)	Groundwater Depth	Monitoring Well Construction (2-INCH CASING) (8-INCH BOREHOLE)	Blow Counts (6-inch)	USCS SYMBOL	LITHOLOGIC PATTERN	SOIL DESCRIPTION & CLASSIFICATION (Lithologic name, color, moisture, density/consistency, grain size%, other descriptors, HC odor.)
0 	S	S					GW -G	202000 202000 202000	Asphalt underlain by 3/4-inch baserock. Gravelly, Clayey SAND, greenish black (2.5/1 5GY) soft to loose, 30% fine subrounded gravels, 30% clay fines, 40% fine to medium sands, no HC odor, no discoloration.
4 5 6	/		MW-2s-d6' @ 0 ppm	<u>-</u>		3 2	SM		Lean CLAY, very dark gray (2.5Y 3/1), dry, firm, high plasticity, non sticky, 10% fine sands, no HC odor, no discoloration. Sandy SILT, dark greenish gray (2.5/1 5GY), moist, very soft, medium plasticity, non sticky, 10% fine sands, 90% silts, no HC odor, no discoloration.
- 7 8				First GW @ 5' bgs			ъм Сн		Silty SAND, olive gray (5Y 4/2), wet, very soft, medium plasticity, slightly sticky, rapid dilatancy, no HC odor, no discoloration Fat CLAY, grayish brown (2.5 YR 4/2) with olive brown mottling (2.5Y 4/4), moist, soft to firm, high plasticity, non
—10— — 11— — 12— — 13—	/		MW-2s-d10' @ 330 ppm			10	CL		sticky, no HC odor, no discoloration. Lean CLAY, grayish brown (2.5 YR 4/2) with olive brown (2.5Y 4/4) mottling, dry, hard, non plastic, non sticky, no HC odor, no discoloration.
— 14— — 15— — 15— — 16—	_		MW-2s-d14.5' @ 240 ppm			6 8	СН		Cayey SILT. grayish brown (10 YR 5/2) with dark yellowish brown mottling (10 YR 4/6), moist, medium plasticity, slightly sticky, 60% silt fines, 40% clay fines, no HC odor, no discoloration. - Color changes to very dark gray (2.5Y 3/0) from the interval of 14.5'-15' bgs. Slight HC odor associated with discoloration.
— 17— — 18— — 19— — 20—	/		MW-2s-d18' @ 120 ppm			11 15 19	CL		Lean CLAY, very dark gray (2.5Y 3/1) with dark yellowish brown mottling (10YR 3/6), dry, firm, high plasticity, non sticky, 10% fine sands, no odor, no discoloration. - Terminate boring at 20' bgs.

- Lithology has been partially interpreted from previous driven probe borings conducted at this site.

-- Construct Monitoring Well as depicted above:

Blank Casing: Screened Casing (0.010 slot): 0 - 5' bgs 5 -20' bgs Cement Seal (Portland): Bentonite Seal (3/4-inch chips):

0 - 3' bgs 3 - 4' bgs

Sand Pack (#3 Sand):

4 - 20' bgs

ATTACHMENT C

Soil sample analytical results:

C-1: Table 3: Current Soil Sample Results, from WHA Shallow Soil and Groundwater Assessment Report dated October 3, 2003

C-2: Table 2: Summary of Soil Sample Analytical Data

Soil Test Results: Two shallow soil samples from each boring were targeted for certified laboratory testing. Samples targeted for lab analysis were collected from a depth of 2 feet to check for surface contamination sources and from a depth of 6 feet which is just above the soil-groundwater interface. The 12 samples were tested for dissolved gasoline and constituent gas compounds (TPH-gas, BTEX, MTBE). The results are tabulated below.

Table 3
CURRENT SOIL SAMPLE RESULTS
(all results in parts per million, mg/kg).

Driven	Probe			Laborator	y Analysis Result	ts	
ID	#	Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
DP-1	@ 2'	3.4	ND	ND	ND	ND	ND
	@6'	ND	ND	ND	ND	ND	ND
DP-2	@ 2'	9.2	ND	ND	ND	ND	ND
	@6'	ND	ND	ND	ND	ND	ND
DP-3	@ 2'	7.2	ND	ND	ND	ND	ND
	@6'	14	ND	ND	ND	ND	ND
DP-4	@ 2'	ND	ND	ND	ND	ND	ND
	@6'	2.9	ND	0.045	ND	ND	ND
DP-5	@ 2'	5.7	ND	ND	0.21	ND	ND
	@6'	6.6	ND	ND	ND	ND	ND
DP-6 @ 2' @ 6'		ND	ND	ND	ND	ND	ND
		ND	ND	ND	ND	ND	ND
Laborato	ory PQL:	2.5		0.025		0.05	0.25

ND: Not detected.

(1): MTBE confirmed by EPA Method #8269.

< X: Diluted Sample, increased detection limit "X"

Table 2 Summary of Soil Sample Analytical Data

C & N Tractors - 496 - 498 Salinas Road, Watsonville, California

All soil results in parts per million (mg/kg or mg/L)

Well	Sample	Sample Depth	Date	Total Petroleum Hydrocarbons	Volatile Organic Compounds							
I.D.	Identification	(bgs, ft)	Sampled	as Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE			
MW-2	MW-2S-d6	6	1/25/2005	ND	ND	ND	ND	ND	ND			
19199-2	MW-2S-d14.5	14.5	1/25/2005	**220	ND	ND	ND	ND	ND			
MW-3	MW-3S-d6	6	1/25/2005	ND	ND	ND	ND	ND	ND			
MW-4	MW-4S-d6	6	1/25/2005	ND	ND	ND	ND	ND	ND			
Laboratory	r's Practical Quanti	tation Limits (PQL'	s):	50	5	5	5	10	5			
Monterey County Hea	alth Department (M	CHD) Soil Action L	evels (AL's):	100	0.1	0.1	1	1	0.05			

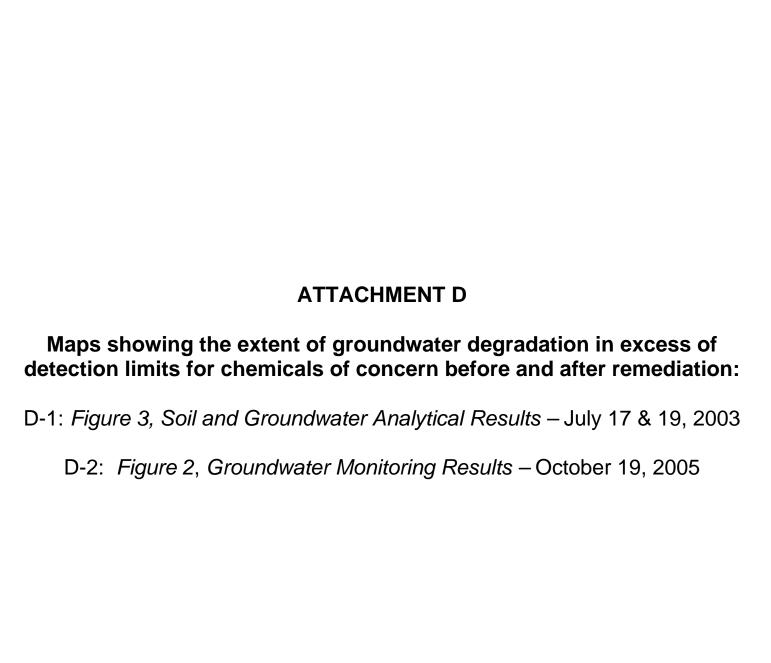
NOTES:

ND = Not detected at or above the lab's practical quantitation limit.

MTBE = Methyl-tert-Butyl Ether

^{** =} Laboratory indicates TPH gas reported value possibly aged gasoline.

<# = Detection limit elevated due to sample dilution and compound not detected at or above detection limit reported.</p>



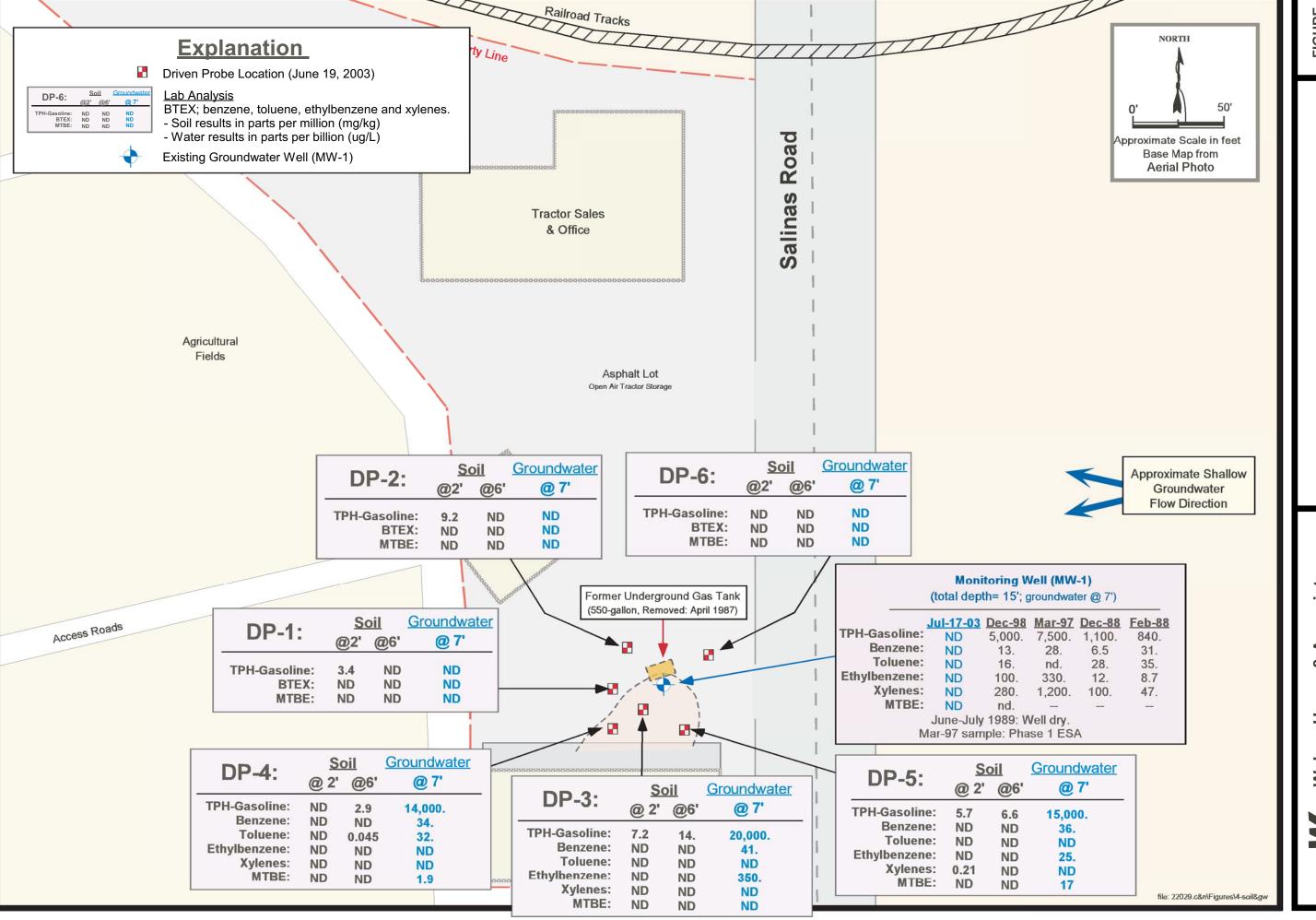
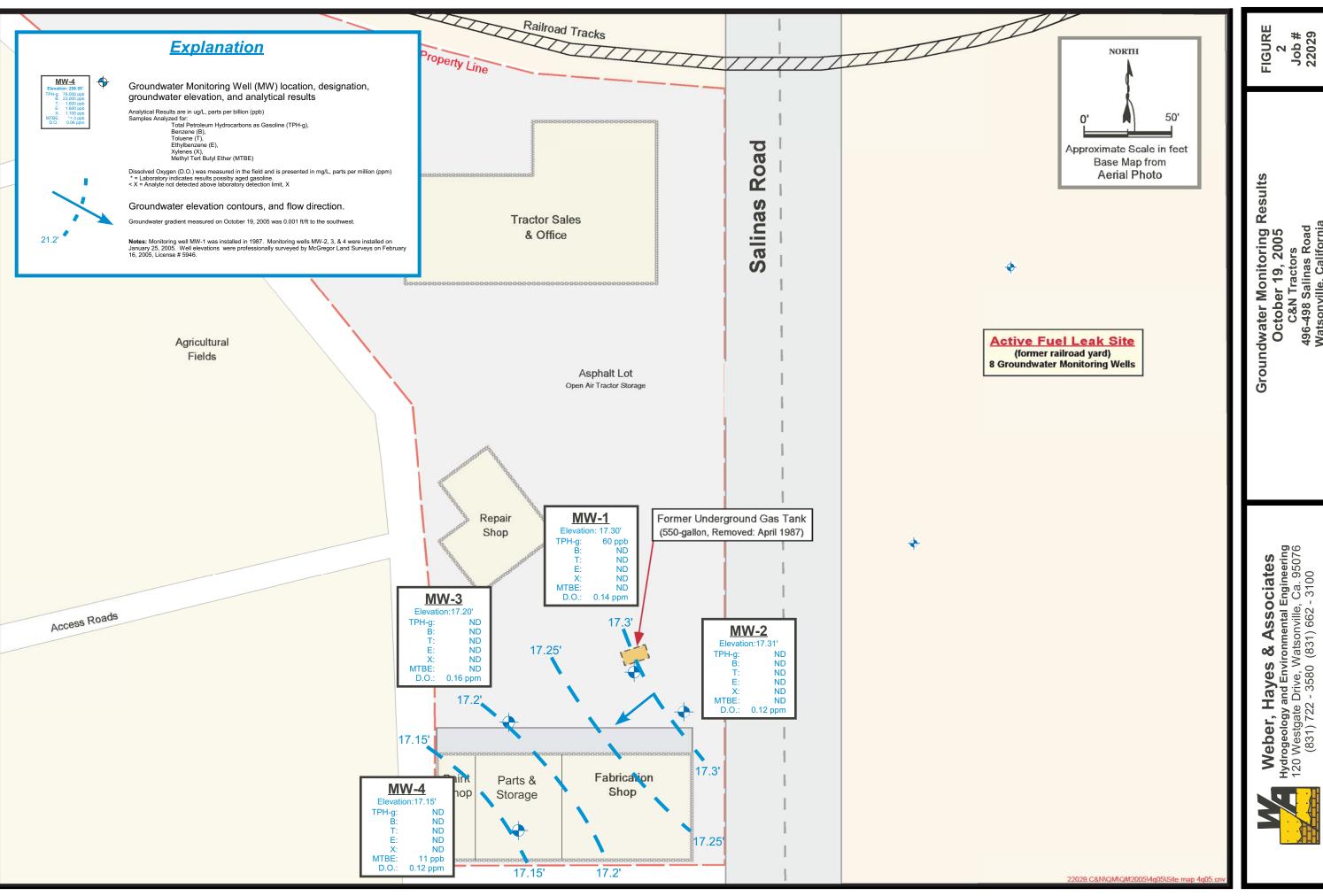


FIGURE 3 Job # 22029.B

SOIL AND GROUNDWATER ANALYTICAL RESULTS
C&N Tractors
496-498 Salinas Road
Watsonville, California

Weber, Hayes & Associates Hydrogeology and Environmental Engineering 120 Westgate Drive, Watsonville, Ca. 95076 (831) 722 - 3580 (831) 662 - 3100



Groundwater Monitoring Results October 19, 2005 C&N Tractors 496-498 Salinas Road Watsonville, California

Weber, Hayes & Associates Hydrogeology and Environmental Engineering 120 Westgate Drive, Watsonville, Ca. 95076 (831) 722 - 3580 (831) 662 - 3100



ATTACHMENT E:

Geologic logs, including construction, for all wells:

E-1: Geologic Logs of Hydraulic Driven Geo-Probe Borings DP-1 through DP-6

E-2: Geologic Log of Monitoring Wells MW-2, 3, & 4.



Hydraulic Driven Geo-Probe Boring JOB NO.: 22029 DATE: June 19, 2003

CLIENT: C & N Tractors

LOCATION:496-498 Salinas Road, Watsonville, Monterey County

LOGGED BY: A. Bierman

DRILLER: Enprobe Drilling (Jeff Edmond)

DRILL METHOD: Hydraulic Driven Large-Bore & Macro-Core Probes

BORING #

DP-1

Depth (feet)	Sample Interval	Sample Analyzed	Sample Identification & OVA Data (ppmV)	Groundwater Depth	Lithologic Pattern	USCS symbol	SOIL DESCRIPTION & CLASSIFICATION (Lithologic name, color, moisture, density/consistency, grain size%, other descriptors, HC odor.)
- 1 1 1 1			DP-1a @ 1.5 ppm @3' bgs - 1 ppm DP-1b @ 0 ppm DP-1 @ 7' obtained using disposable bailer in 0.010 slotted screen DP-1c @ 0 ppm	First @ 7.0' bgs		GW-G CL SM CH CL	Asphalt underlain by 3/4-inch baserock. Gravelly, Clayey SAND, greenish black (2.5/1 5GY) soft to loose, 30% fine subrounded gravels, 30% clay fines, 40% fine to medium sands, slight HC odor, gradational contact. Lean CLAY, very dark gray (2.5Y 3/1), dry, firm, high plasticity, non sticky, 10% fine sands, trace odor, no discoloration. -Formation becomes medium stiff to soft. gradational contact. Sandy SILT, dark greenish gray (2.5/1 5GY), moist, very soft, medium plasticity, non sticky, 10% fine sands, 90% silts, no odor, no discoloration, gradational contact Silty SAND, olive gray (5Y 4/2), wet, very soft, medium plasticity, slightly sticky, rapid dilatancy, no odor, no discoloration -Groundwater first encountered at 7 feet bgs. -Gradational contact. Fat CLAY, grayish brown (2.5 YR 4/2) with olive brown mottling (2.5Y 4/4), moist, soft to firm, high plasticity, non sticky, no HC odor, discolored. Lean CLAY, grayish brown (2.5 YR 4/2) with olive brown (2.5Y 4/4) mottling, dry, hard, non plastic, non sticky, no HC odor, no discolor, unit acting as aguitard.
L 12 -	•						-Boring terminated at 12 feet bgs.

- -Boring terminated at 12 feet bgs.
- -Grout boring with Portland cement to ground surface.



Hydraulic Driven Geo-Probe Boring

JOB NO.: 22029 DATE: June 19, 2003

CLIENT: C & N Tractors

LOCATION:496-498 Salinas Road, Watsonville, Monterey County

LOGGED BY: A. Bierman

DRILLER: Enprobe Drilling (Jeff Edmond)

BORING #

DP-2

						DRILL METHOD: Hydraulic Driven Large-Bore & Macro-Core Probes							
Depth (feet)	Sample Interval	Sample Analyzed	Sample Identification & OVA Data (ppmV)	Groundwater Depth	Lithologic Pa	attern	USCS symbol	SOIL DESCRIPTION & CLASSIFICATION (Lithologic name, color, moisture, density/consistency, grain size%, other descriptors, HC odor.)					
- 0 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1			DP-2a @ 1.0 ppm @4' bgs - 1.0 ppm DP-2b @ 0.5 ppm DP-2 @ 7' obtained using disposable bailer in 0.010 slotted screen DP-2c @ 0 ppm	Tist Fiswa Parallel P			GW-GC CL SP-SM SM	Gravelly, Clayey SAND, greenish black (2.5/1 5GY) soft to loose, 30% fine subrounded gravels, 30% clay fines, 40% fine to medium sands, slight HC odor, gradational contact. Lean CLAY, very dark gray (2.5Y 3/1), dry, firm, high plasticity, non sticky, 10% fine sands, trace odor, no discoloration, becomes soft with depth, gradational contact. Sandy SILT, dark greenish gray (2.5/1 5GY), moist, very soft, medium plasticity, non sticky, 10% fine sands, 90% silts, no odor, no discoloration, gradational contact Silty SAND, olive gray (5Y 4/2), wet, very soft, medium plasticity, slightly sticky, rapid dilatancy, no odor, no discoloration -Groundwater first encountered at 7 feet bgs. -Gradational contact. Fat CLAY, grayish brown (2.5 YR 4/2) with olive brown mottling (2.5Y 4/4), moist, soft to firm, high plasticity, non sticky, no HC odor, discolored. Lean CLAY, grayish brown (2.5 YR 4/2) with olive brown (2.5Y 4/4) mottling, dry, hard, non plastic, non sticky, no HC odor, no discolor, unit acting as aquitard. -Boring terminated at 12 feet bgs. -Grout boring with Portland cement to ground surface.					
L,, -	-												



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GEOLOGIC LOG

Hydraulic Driven Geo-Probe Boring

JOB NO.: 22029 DATE: June 19, 2003

CLIENT: C & N Tractors

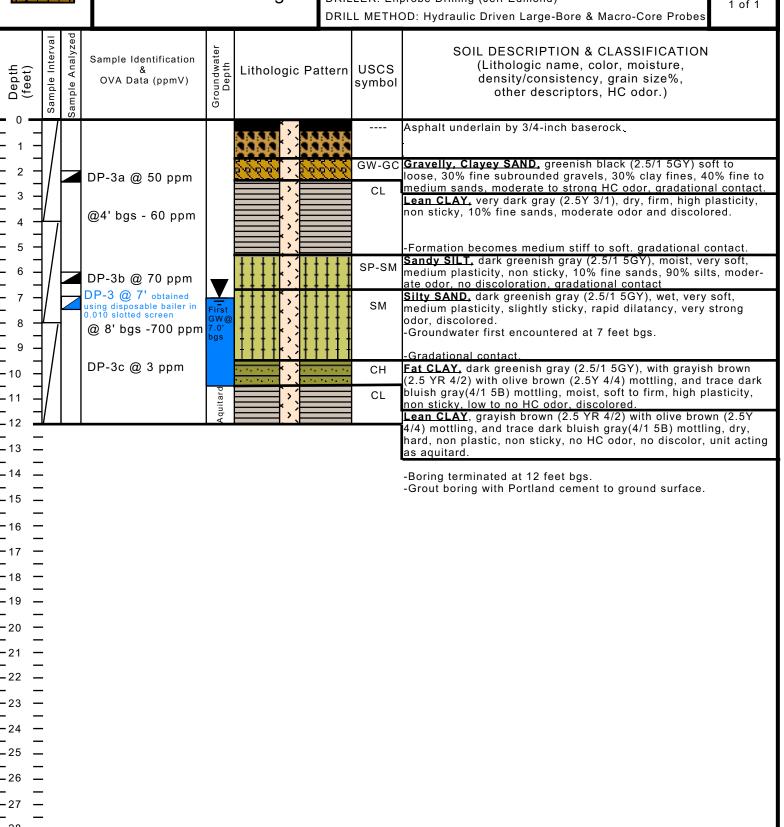
LOCATION:496-498 Salinas Road, Watsonville, Monterey County

LOGGED BY: A. Bierman

DRILLER: Enprobe Drilling (Jeff Edmond)

BORING #

DP-3





Hydraulic Driven Geo-Probe Boring JOB NO.: 22029 DATE: June 19, 2003

CLIENT: C & N Tractors

LOCATION:496-498 Salinas Road, Watsonville, Monterey County

LOGGED BY: A. Bierman

DRILLER: Enprobe Drilling (Jeff Edmond)

DRILL METHOD: Hydraulic Driven Large-Bore & Macro-Core Probes

BORING #

DP-4

								,
Depth (feet)	Sample Interval	Sample Analyzed	Sample Identification & OVA Data (ppmV)	Groundwater Depth	Lithologic Pat	ttern	USCS symbol	SOIL DESCRIPTION & CLASSIFICATION (Lithologic name, color, moisture, density/consistency, grain size%, other descriptors, HC odor.)
- 1 - 2 3 4 5 6 7 10 11 12			DP-4a @ 3 ppm @4' bgs - 3 ppm DP-4b @ 10 ppm DP-4 @ 7' obtained using disposable bailer in 0.010 slotted screen @ 8' bgs - 2 ppm DP-4c @ 0 ppm	First GW@7.0' bgs			GW-GC CL SP-SM SM	Gravelly, Clayey SAND, greenish black (2.5/1 5GY) soft to loose, 30% fine subrounded gravels, 30% clay fines, 40% fine to medium sands, trace HC odor, gradational contact. Lean CLAY, very dark gray (2.5Y 3/1), dry, firm, high plasticity, non sticky, 10% fine sands, trace to no odor, no discoloration. -Formation becomes soft at 4 feet, gradational contact. Sandy SILT, dark greenish gray (2.5/1 5GY), moist, very soft, medium plasticity, non sticky, 10% fine sands, 90% silts, trace odor, no discoloration, gradational contact Silty SAND, dark greenish gray (2.5/1 5GY), wet, very soft, medium plasticity, slightly sticky, rapid dilatancy, low HC odor, discolored?? -Groundwater first encountered at 7 feet bgs. -Gradational contact Fat CLAY, dark greenish gray (2.5/1 5GY), very moist, soft, high plasticity, non sticky, no HC odor, discolored Lean CLAY, grayish brown (2.5 YR 4/2) with olive brown (2.5Y 4/4) mottling, and trace dark bluish gray(4/1 5B) mottling, dry, hard, non plastic, non sticky, no HC odor, no discolor, unit acting
13 14 15	•						•	as aquitard. -Boring terminated at 12 feet bgs. -Grout boring with Portland cement to ground surface.



- 25 -- 26

30

GEOLOGIC LOG

Hydraulic Driven Geo-Probe Boring

JOB NO.: 22029 DATE: June 19, 2003

CLIENT: C & N Tractors

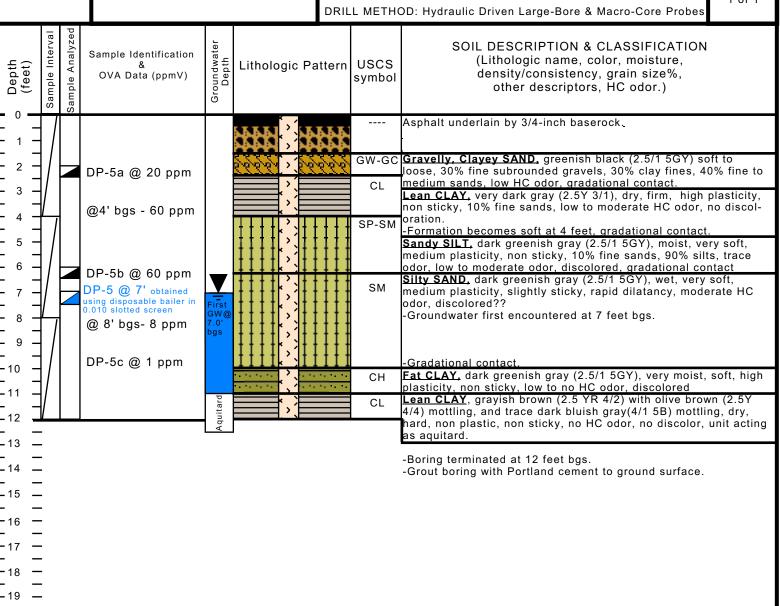
LOCATION:496-498 Salinas Road, Watsonville, Monterey County

LOGGED BY: A. Bierman

DRILLER: Enprobe Drilling (Jeff Edmond)

BORING #

DP-5





Hydraulic Driven Geo-Probe Boring

JOB NO.: 22029 DATE: June 19, 2003

CLIENT: C & N Tractors

LOCATION:496-498 Salinas Road, Watsonville, Monterey County

LOGGED BY: A. Bierman

DRILLER: Enprobe Drilling (Jeff Edmond)

DRILL METHOD: Hydraulic Driven Large-Bore & Macro-Core Probes

BORING #

DP-6

Depth (feet)	Sample Interval	Sample Analyzed	Sample Identification & OVA Data (ppmV)	Groundwater Depth	Lithologic Pattern	USCS symbol	SOIL DESCRIPTION & CLASSIFICATION (Lithologic name, color, moisture, density/consistency, grain size%, other descriptors, HC odor.)
- 1			DP-6a @ 0 ppm @4' bgs - 0 ppm DP-6b @ 0 ppm DP-6 @ 7' obtained using disposable bailer in 0.010 slotted screen	licard basis		GW-G CL SM CH CL	Asphalt underlain by 3/4-inch baserock. Gravelly, Clayey SAND, greenish black (2.5/1 5GY) soft to loose, 30% fine subrounded gravels, 30% clay fines, 40% fine to medium sands, no HC odor, gradational contact. Lean CLAY, very dark gray (2.5Y 3/1), dry, firm, high plasticity, non sticky, 10% fine sands, no odor, no discoloration. Formation becomes soft. gradational contact. Sandy SILT, dark greenish gray (2.5/1 5GY), moist, very soft, medium plasticity, non sticky, 10% fine sands, 90% silts, no odor, no discoloration. -Gradational contact Silty SAND, olive gray (5Y 4/2), wet, very soft, medium plasticity, slightly sticky, rapid dilatancy, no odor, no discoloration -Groundwater first encountered at 7 feet bgs. -Gradational contact. Fat CLAY, grayish brown (2.5 YR 4/2) with olive brown mottling (2.5Y 4/4), moist, soft to firm, high plasticity, non sticky, no HC odor, discolored. Lean CLAY, grayish brown (2.5 YR 4/2) with olive brown (2.5Y 4/4) mottling, dry, hard, non plastic, non sticky, no HC odor, no
_12 _ _13 _	<u>V </u>			. ∢		1	-Boring terminated at 12 feet bgs.

- -Grout boring with Portland cement to ground surface.



Monitoring Well

JOB NO.: 22029.C DATE: January 25, 2005

CLIENT: C & N Tractors

LOCATION: 496-498 Salinas Road, Pajaro, Monterey County

LOGGED & SAMPLED BY: J. Chaney

DRILLER: Exploration Geoservices (Lauren / Jason)

DRILL METHOD: Hollow Stem Auger

BORING #

MW-2

Sheet 1 of 1

Depth (feet)	ampling Interval	Sample Analyzed	Sample Identification & OVA Data (ppmv)	Groundwater Depth	Monitoring Well Construction (2-INCH CASING) (8-INCH BOREHOLE)	Blow Counts (6-inch)	USCS SYMBOL	LITHOLOGIC PATTERN	SOIL DESCRIPTION & CLASSIFICATION (Lithologic name, color, moisture, density/consistency, grain size%, other descriptors, HC odor.)
0 	S	S					GW -G	202000 202000 202000	Asphalt underlain by 3/4-inch baserock. Gravelly, Clayey SAND, greenish black (2.5/1 5GY) soft to loose, 30% fine subrounded gravels, 30% clay fines, 40% fine to medium sands, no HC odor, no discoloration.
4 5 6	/		MW-2s-d6' @ 0 ppm	<u>-</u>		3 2	SM		Lean CLAY, very dark gray (2.5Y 3/1), dry, firm, high plasticity, non sticky, 10% fine sands, no HC odor, no discoloration. Sandy SILT, dark greenish gray (2.5/1 5GY), moist, very soft, medium plasticity, non sticky, 10% fine sands, 90% silts, no HC odor, no discoloration.
- 7 8				First GW @ 5' bgs			ъм Сн		Silty SAND, olive gray (5Y 4/2), wet, very soft, medium plasticity, slightly sticky, rapid dilatancy, no HC odor, no discoloration Fat CLAY, grayish brown (2.5 YR 4/2) with olive brown mottling (2.5Y 4/4), moist, soft to firm, high plasticity, non
—10— — 11— — 12— — 13—	/		MW-2s-d10' @ 330 ppm			10	CL		sticky, no HC odor, no discoloration. Lean CLAY, grayish brown (2.5 YR 4/2) with olive brown (2.5Y 4/4) mottling, dry, hard, non plastic, non sticky, no HC odor, no discoloration.
— 14— — 15— — 15— — 16—	_		MW-2s-d14.5' @ 240 ppm			6 8	СН		Cayey SILT. grayish brown (10 YR 5/2) with dark yellowish brown mottling (10 YR 4/6), moist, medium plasticity, slightly sticky, 60% silt fines, 40% clay fines, no HC odor, no discoloration. - Color changes to very dark gray (2.5Y 3/0) from the interval of 14.5'-15' bgs. Slight HC odor associated with discoloration.
— 17— — 18— — 19— — 20—	/		MW-2s-d18' @ 120 ppm			11 15 19	CL		Lean CLAY, very dark gray (2.5Y 3/1) with dark yellowish brown mottling (10YR 3/6), dry, firm, high plasticity, non sticky, 10% fine sands, no odor, no discoloration. - Terminate boring at 20' bgs.

- Lithology has been partially interpreted from previous driven probe borings conducted at this site.

-- Construct Monitoring Well as depicted above:

Blank Casing: Screened Casing (0.010 slot): 0 - 5' bgs 5 -20' bgs Cement Seal (Portland): Bentonite Seal (3/4-inch chips):

0 - 3' bgs 3 - 4' bgs

Sand Pack (#3 Sand):

4 - 20' bgs



Monitoring Well

JOB NO.: 22029.C DATE: January 25, 2005

CLIENT: C & N Tractors

LOCATION: 496-498 Salinas Road, Pajaro, Monterey County

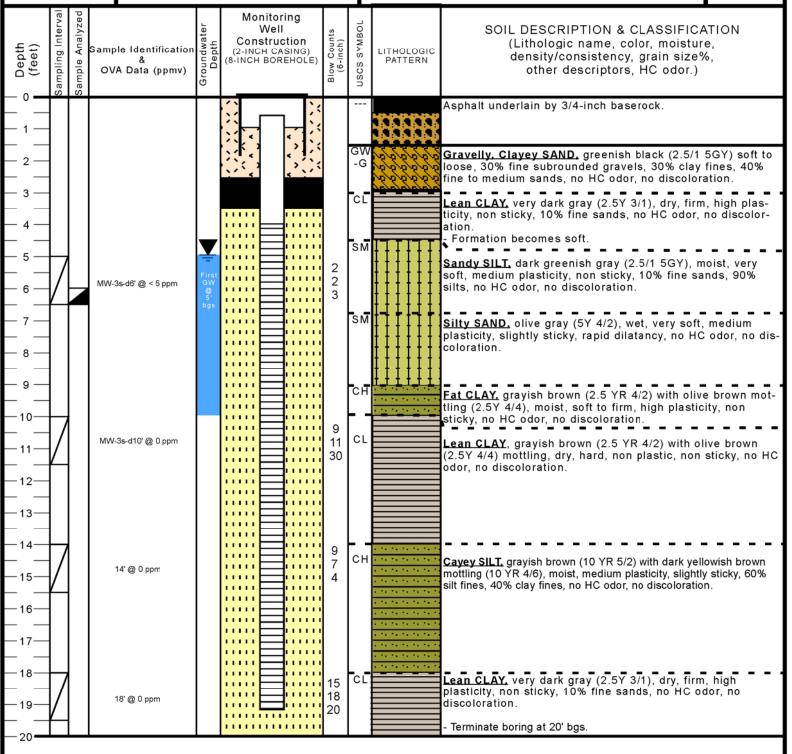
LOGGED & SAMPLED BY: J. Chaney

DRILLER: Exploration Geoservices (Lauren / Jason)

DRILL METHOD: Hollow Stem Auger

BORING # MW-3

> Sheet 1 of 1



-- Construct Monitoring Well as depicted above:

Blank Casing:

Screened Casing (0.010 slot):

Cement Seal (Portland):

Bentonite Seal (3/4-inch chips):

Sand Pack (#3 Sand):

0 - 2.5' bgs 2.5 - 3.5' bgs

0 - 4' bgs 4 -19' bgs

3.5 - 20' bgs

22029 C&N/Figures\Logs\MW-3.CN



Monitoring Well

JOB NO.: 22029.C DATE: January 25, 2005

CLIENT: C & N Tractors

LOCATION: 496-498 Salinas Road, Pajaro, Monterey County

LOGGED & SAMPLED BY: J. Chaney

DRILLER: Exploration Geoservices (Lauren / Jason)

DRILL METHOD: Hollow Stem Auger

MW-4

BORING #

Sheet 1 of 1

ample Analyzed ampling Interva Monitoring SYMBOL SOIL DESCRIPTION & CLASSIFICATION Well Blow Counts (6-inch) Construction (Lithologic name, color, moisture, Sample Identification (2-INCH CASING) (8-INCH BOREHOLE) LITHOLOGIC density/consistency, grain size%, PATTERN OVA Data (ppmv) other descriptors, HC odor.) Concrete slab (6" thick) GW Gravelly, Clayey SAND, greenish black (2.5/1 5GY) soft to -G loose, 30% fine subrounded gravels, 30% clay fines, 40% fine to medium sands, no HC odor, no discoloration. CL Lean CLAY, very dark gray (2.5Y 3/1) with dark red (2.5 YR 3/6) mottling, dry, firm, high plasticity, non sticky, 10% fine sands, no HC odor, no discoloration. Formation becomes softer with depth. MW-4s-d6' @ 0 ppm 7 10 Sandy SILT, dark greenish gray (2.5/1 5GY), moist, very SM soft, medium plasticity, non sticky, 10% fine sands, 90% silts, no HC odor, no discoloration. Silty SAND, olive gray (5Y 4/2), wet, very soft, medium SM plasticity, slightly sticky, rapid dilatancy, no HC odor, no disçoloration СН Fat CLAY, grayish brown (2.5 YR 4/2) with olive brown mottling (2.5Y 4/4), moist, soft to firm, high plasticity, non-11 CL MW-4s-d10' @ 0 ppm sticky, no HC odor, no discoloration. 17 20 Lean CLAY, grayish brown (2.5 YR 4/2) with olive brown (2.5Y 4/4) mottling, dry, hard, non plastic, non sticky, no HC 12odor, no discoloration. 13 Cayey SILT, grayish brown (10 YR 5/2) with dark yellowish brown 6 СН mottling (10 YR 4/6), moist, medium plasticity, slightly sticky, 60% 9 14' @ 0 ppm 15 silt fines, 40% clay fines, no HC odor, no discoloration. 11 16 18-14 CL Lean CLAY, very dark gray (2.5Y 3/1) with dark yellowish 17 brown mottling (10YR 3/6), dry, firm, high plasticity, non 18' @ 0 ppm 19 20 sticky, 10% fine sands, no odor, no discoloration. Terminate boring at 20' bgs 20

- Lithology has been partially interpreted from previous driven probe borings conducted at this site.

-- Construct Monitoring Well as depicted above:

Blank Casing: 0 - 5' bgs Screened Casing (0.010 slot): 5 -20' bgs 0 - 3' bgs Cement Seal (Portland): Bentonite Seal (3/4-inch chips): 3 - 4' bgs Sand Pack (#3 Sand): 4 - 20' bgs

ATTACHMENT F:

Groundwater sample analytical results:

- F-1: Table 3: Current Groundwater Sample Results, WHA Shallow Soil and Groundwater Assessment Report dated October 3, 2003
 - F-2: Table 1: Summary of Groundwater Elevation and Analytical Data

5.1 Groundwater Results (Figure 3): Groundwater samples collected from each of the six driven probe borings and the existing monitoring well and tested for dissolved gasoline (TPH-gas) and constituent gas compounds [benzene, toluene, ethylbenzene and xylenes (BTEX) and Methy-t-butyl Ether (MTBE)]. The results are presented below:

 $\frac{CURRENT\ GROUNDWATER\ SAMPLE\ RESULTS}{(All\ water\ samples\ collected\ at\ a\ depth\ of\ 7',\ and\ all\ lab\ results\ in\ parts\ per\ billion,\ \mu g/L).}$

Driven Probe			Laborato	ry Analysis Resul	ts	
ID#	Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
DP-1	ND.	ND	ND	ND	ND	ND
DP-2	ND	ND	ND	ND	ND	ND
DP-3	20000	41	ND (<25.)	350	ND (<50.)	ND ⁽¹⁾ (<15. MDL)
DP-4	14000	34	32	ND (<2.5)	ND (<2.5)	1.9 (1)
DP-5	15000	36	ND (<5.)	25	ND (<10.)	17. (1)
DP-6	ND	ND	ND	ND	ND	ND
MW-1	ND	ND	ND	ND	ND	ND
Laboratory PQL:	50		0.5			1
CRWQCB - Region 3 Water Quality Goals	1000	1	150	300	1,750	5

ND: Not detected. (1): MTBE confirmed by EPA Method #8269.

< X: Diluted Sample, increased detection limit "X" MDL: Minimum Detection Limit (not detected at MDL)

Table 1
Summary of Groundwater Elevation and Analytical Data
C & N Tractors - 496 & 498 Salinas Road, Watsonville, California
Weber, Hayes and Associates

Moni	toring Point Inforn	nation				Pe	etroleum Hy	drocarbon (Concentration Da	ta		Field Me	asurements
Well	тос	Screen	Date	Depth to	Groundwater	Total Petroleum Hydrocarbons		Volatile Organic Compounds			Dissolved	Redox	
I.D.	Elevation	Interval	Sampled	Groundwater	Elevation	Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	Oxygen	Potential (ORP)
	(feet, NGVD)	(feet, bgs)		(feet, TOC)	(feet, NGVD)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(mg/L)	(mV)
MW-1	[∆] 25.24	?? - 14'											
			10/19/05	7.94	17.30	65	ND	ND	ND	ND	ND	0.14	15
			4/12/05	4.27	20.97	**300	ND	0.51	7.5	5.6	ND	0.20	89
			1/27/05	4.36	20.88	**1,000	ND	ND	22	19	ND	0.14	224
			9/19/04	7.20	18.04	ND	ND	ND	ND	ND	ND	5.55	-113
			Dec-98		-	5,000	13	16	100	280	< 2.5		
			Mar-97			7,500	28	< 25	330	1,200	< 250		
			Dec-88			1,100	6.5	28	12	100	1		
			Feb-88			840	31	35	8.7	47	1		
MW-2	25.32	5 - 20											
			10/19/05	8.01	17.31	ND	ND	ND	ND	ND	ND	0.12	105
			4/12/05	4.49	20.83	ND	ND	ND	ND	ND	***7.5	0.13	73
			1/27/05	4.57	20.75	ND	ND	ND	ND	ND	6.3	0.78	35
MW-3	25.39	4 - 19											
			10/19/05	8.19	17.20	ND	ND	ND	ND	ND	ND	0.16	137
			4/12/05	4.20	21.19	ND	ND	ND	ND	ND	ND	0.21	131
			1/27/05	4.21	21.18	**27	ND	ND	ND	ND	1.4	0.48	244
MW-4	26.38	5 - 20											
			10/19/05	9.23	17.15	ND	ND	ND	ND	ND	11	0.12	133
			4/12/05	5.23	21.15	ND	ND	ND	ND	ND	***7.6	0.14	124
			1/27/05	5.28	21.10	ND	ND	ND	ND	ND	8.2	0.18	292
	•	Practical Qua	antitation Limit:			25 / *50	0.5	0.5	0.5	0.5	1		
	Action Levels	1000	1	150	300	1750	5	-					

NOTES:

TOC: Top of Casing elevation surveyed by a Licensed Surveyor to National Geodetic Vertical Datum of 1988 (NGVD).

bgs: below ground surface.

uglL: micrograms per liter - parts per billion.

ND: Not Detected at or above the laboratory's practical quantitation limit (PQL).

BOLD PRINT: Bold Print indicates concentrations are above regulatory Action Levels or MCL's.

- *: Laboratory indicates analytical results within quantitation range, but the chromatographic pattern was not the specified fuel.
- 1: Levels presented are based on either the established Maximum Contaminant Levels (MCLs) which are the California Code of Regulations (Title 22) or water quality goals for the Central Coast Region of the CRWQCB.
- •: Due to the low level detections of contaminants during the January 27, 2005 sampling event, samples collected on April 14, 2005 were analyzed by EPA Methods 8015M & 8020, and as a result the detection limit for TPH-g is elevated to 50 ppb.

TPH-g: Total Petroleum Hydrocarbons as gasoline

MTBE: Methyl Tert Butyl Ether.

- < X: Not Detected at the elevated PQL, X, PQL elevated due to sample dilution.
- --: Data missing, not available, or not collected.
- **: Laboratory indicates result is possibly aged gasoline.
- ***: Confirmed by EPA Method 8260
- Δ: McGregor Landsurveys noted an initial reporting error in the top of casing elevation reported for well MW-1. The top of casing elevation for well MW-1 was initially reported to be 25.47 feet, NAVD; the corrected elevation is 25.24 feet, NAVD.